FLUID CONTROL COMPONENTS

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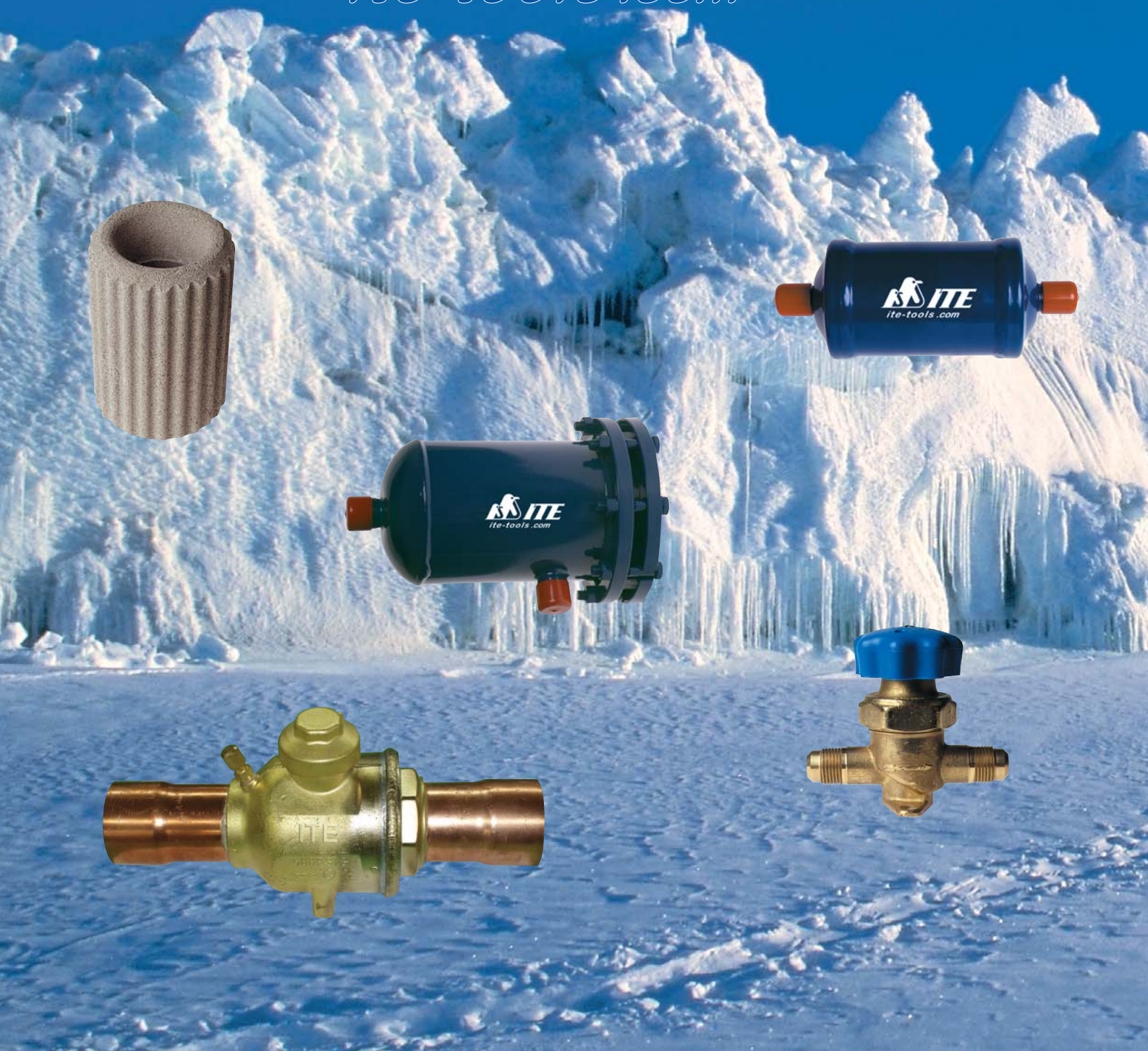

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BI-DIRECTIONAL REFRIGERATION BALL VALVES

"ONE OF THE MOST ADVANCED 1/4" TO 3 1/8" ODS BALL VALVES"

FEATURES

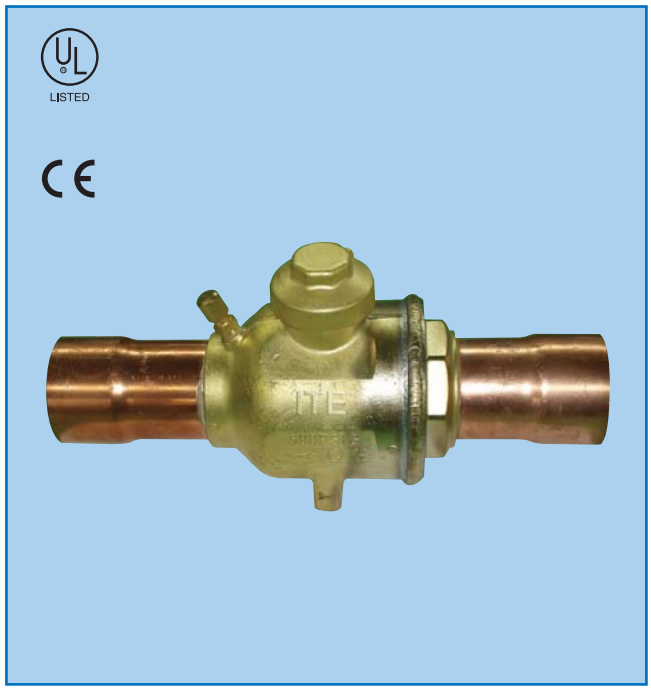
- Valve can be mounted in either directions of flow.
- Maximum working pressure: 40 bar (580 PSIG).
- Temperature range: -40°C to +150°C (-40°F to 300°F).
- Full flow design reduces risks for leaks.
- Supplied with access valve port.
- Quick valve operation with mechanical stop: 1/4 turn of valve stem will fully open or close the valve. A special replaceable stem ring will ensure positive open and closed position.
- Supplied with sealed brass cap having the possibility to seal the cap and thus avoiding operation of the stem by non authorized people.
- Extended copper ends for easy brazing.
- All valves are individually tested for vacuum and pressure as well as helium leak tested.
- Supplied with pre-drilled threaded holes in brass feet (bracket and 2 screws optional) to allow easy mounting of the valve on a base plate.

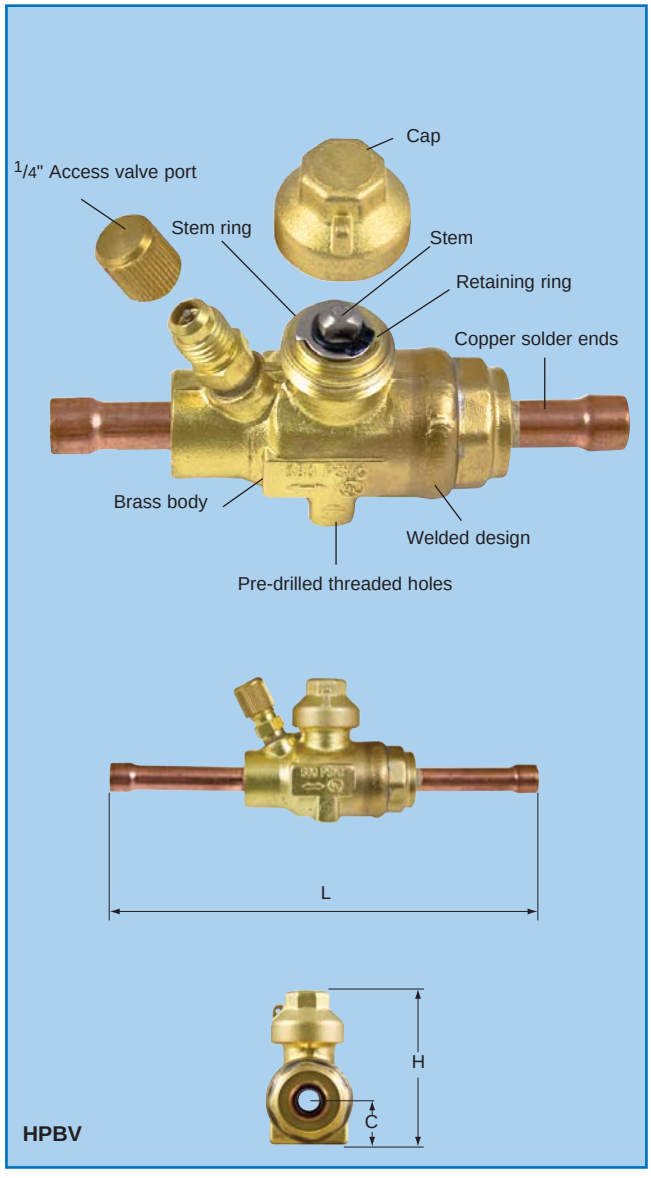
INSTALLATION

- Installation can be done in any direction horizontally or vertically
- Extended copper end solder ODS connections for installation without valve dismantling
- Easy and quick soft solder or silver brazing alloy into the line.
- Bi-directional with facility to surface mount if required.

SPECIFICATIONS

- Suitable for all standard CFC, HCFC and HFC refrigerants and oils.
- Available for R410A





MODEL NUMBER	CON. SIZE INCH	BALL PORT SIZE INCH	DIMENSIONS (mm)			Q (M³/h)
			L	H	C	
HPBV-04P	1/4"	1/2"	140	61	21	1.2
HPBV-06P	3/8"	1/2"	140	61	21	3.8
HPBV-08P	1/2"	1/2"	160	61	21	7.8
HPBV-10P	5/8"	1/2"	160	61	21	12
HPBV-12P	3/4"	3/4"	186	75	26	22
HPBV-14P	7/8"	3/4"	186	75	26	28
HPBV-18P	1 1/8"	1"	230	88	33	43
HPBV-22P	1 3/8"	1 1/4"	245	103	39	74
HPBV-26P	1 5/8"	1 1/2"	278	114	45	125
HPBV-34P	2 1/8"	2"	298	145	60	195
HPBV-42P	2 5/8"	2"	298	145	60	220
HPBV-50P	3 1/8"	2 1/2"	360	177	74	310

MODEL NUMBER	CON. SIZE METRIC	BALL PORT SIZE METRIC	DIMENSIONS (mm)			Q (M³/h)
			L	H	C	
HPBV-06MMP	6 mm	12,70 mm	140	61	21	1.2
HPBV-10MMP	10 mm	12,70 mm	140	61	21	3.8
HPBV-12MMP	12 mm	12,70 mm	160	61	21	7.8
HPBV-16MMP	16 mm	12,70 mm	160	61	21	12
HPBV-19MMP	19 mm	19,05 mm	186	75	26	22
HPBV-22MMP	22 mm	19,05 mm	186	75	26	28
HPBV-28MMP	28 mm	25,40 mm	230	88	33	43
HPBV-35MMP	35 mm	31,75 mm	245	103	39	74
HPBV-42MMP	42 mm	38,10 mm	278	114	45	125
HPBV-54MMP	54 mm	50,80 mm	298	145	60	195

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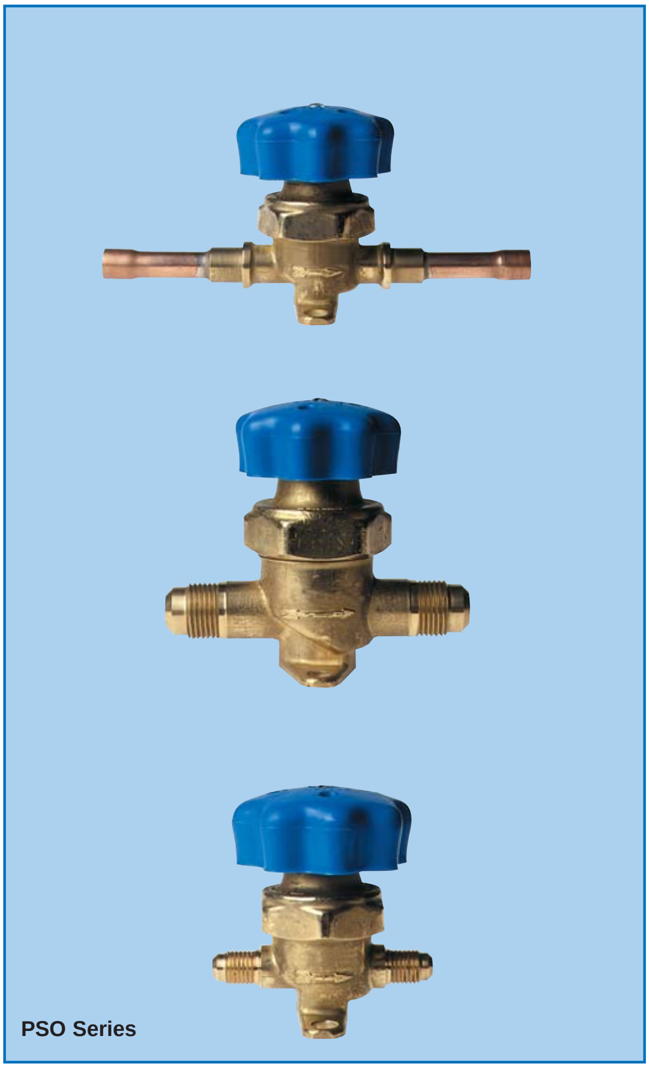

PSO Series

PACKLESS SHUT-OFF VALVES 1/4" TO 1 1/8"

"FULL LEAK PROOF DIAPHRAGM AND POWER STEERING BRASS BALL VALVES"

1. DIAPHRAGM PACKLESS VALVES

PART NUMBER	CONNECTION (TYPE)	HEIGHT (mm)	LENGTH (mm)	MTG.HOLE CENTRE (mm)
PSO-2B	1/4" flare	67	67	
PSO-3B	3/8" flare	67	73	51
PSO-4B	1/2" flare	75	98	
PSO-5B	5/8" flare	87	105	
PSO-2ES	1/4" ODS	66	153	
PSO-3ES	3/8" ODS (*)	67	171	
PSO-4ES	1/2" ODS (*)	75	200	51
PSO-5ES	5/8" ODS (*)	87	200	
PSO-7S	7/8" ODS	129	126	
PSO-9S	1 1/8" ODS	129	126	83

(*): Extended copper connections

FEATURES

- ***"PSO" series packless SHUT-OFF valves*** are designed for a complete leak proof service in any air conditioning and refrigeration applications.
- Forged brass body for high rigidity and strength including mounting pad for easy screwed installation (if necessary). Forged brass bonnet for safe, anti-corrosion and hermetic seal diaphragms when valve is operated.
- Stay 100% back-seated and leak proof when wide open.
- Large diameter diaphragms for wide and slide face moving, greater lift as well as low pressure drop (see *"FLOW CAPACITY TABLE"*).
- One phosphor bronze Diaphragm is used for long life. The stainless steel second one is suitable against corrosion.
- Raised seat against metallic burrs and dirt clogging.
- Stainless steel progressive shut-off spring.
- Heat stabilized and floating seat disc (non-rotating and eliminating torsional wear).
- Ergonomic hand wheel for easy grip hand operation.
- Label for quick and easy identification.

INSTALLATION

- Cut tube ends square and remove all burrs with our tools. (Look at the ***"TUBE WORKING TOOLS"*** **INDEX 4**).
- Carefully clean the outside and inside of the tube with brush and/or emery cloth.
- Insert and slip on the tube to full depth, then withdraw it halfway out and apply brazing flux all over. Reinsert and slip on the tube to full depth again.
- No need to dismantle ODS connection valves for brazing.
- Before brazing operation, turn the handwheel counter-clockwise until stem backseats. Then turn it back clockwise about 1/4 turn to place the teflon seat disc in floating position.
- Wrap a water-soaked cloth around the valve body before brazing (or use our *BLOCK-IT* quick cooling paste).
- After brazing the first joint, cool the body enough to proceed in the same way with the second brazing joint.

SPECIFICATIONS

- For **R12, R22, R502, R134a, R404A, R407C, R507, other blends**, etc... and all **CFC**, **HCFC** & **HFC** with their specific lubricants.
- Solid extended copper "ODS" connections for quick, safe and easy brazing.
- **U.L.** and **CSA listed**.
- Maximum temperature rating: **135°C** (275°F).
- Maximum working pressure: **35 bar** (500 Psi).

2. FLOW CAPACITY TABLE

PART NUMBER	CONNECTION (TYPE)	COEFF. (KV)	COEFF. (K)	COEFF. (LE)
PSO-2B	1/4" flare	3.3	1.2	0.3
PSO-3B	3/8" flare	4.6	4.5	1.83
PSO-4B	1/2" flare	8.2	5.4	3.35
PSO-5B	5/8" flare	11.1	6.8	5.48
PSO-2ES	1/4" ODS	3.3	1.2	0.3
PSO-3ES	3/8" ODS (*)	4.6	4.5	1.83
PSO-4ES	1/2" ODS (*)	8.2	5.4	3.35
PSO-5ES	5/8" ODS (*)	11.1	6.8	5.48
PSO-7S	7/8" ODS	27.9	4.7	6.10
PSO-9S	1 1/8" ODS	42.8	5.7	10.36

(*): Extended copper connections.

(Kv) FLOW COEFFICIENT:
Kv = litres of water per minute at 15°C through the valve at a pressure drop of 1 bar.

(K) RESISTANCE COEFFICIENT:
K = 2gh/V2 where: (g = 9.80 m per second squared)
(h = pressure loss in metre of fluid flow)
(V = fluid velocity in metre per second)

(Le) EQUIVALENT LENGTH OF TUBING:
Le = length in metre of refrigeration tubing to provide a pressure drop equal to the pressure drop through the valve.

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PACKED ANGLE SERVICE VALVES

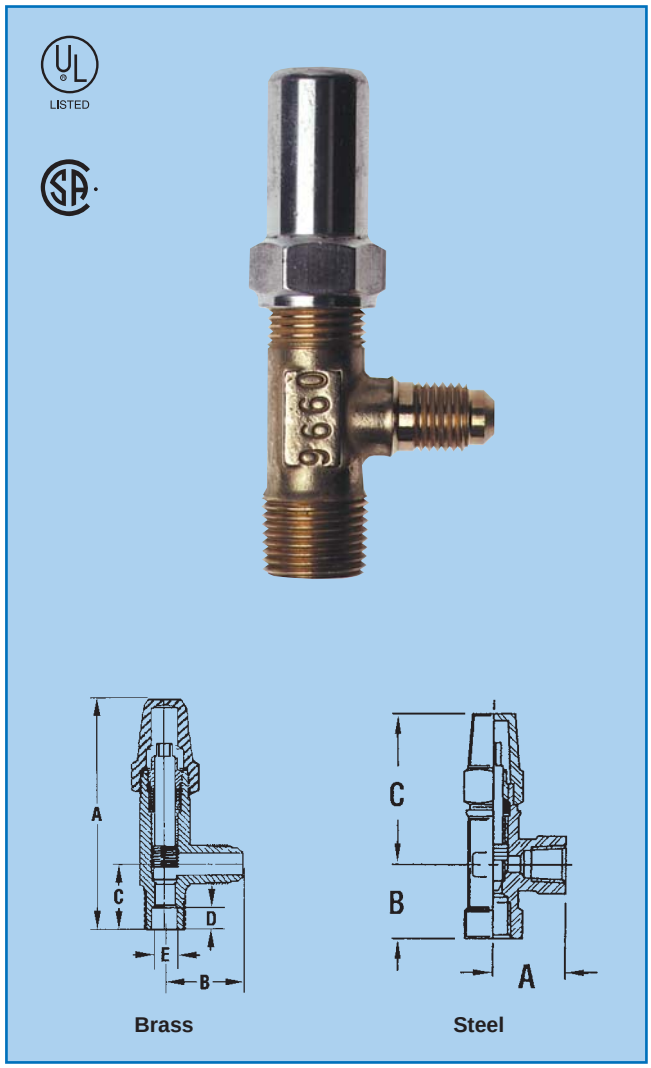
"CHARGING, PURGING, TESTING"

1. BRASS ANGLE VALVES

PART NUMBER	CONNECTIONS	
	BOTTOM (1)	SIDE (2)
PAS-090 PAS-771B-US	1/4" male flare 1/4" male NPT	1/4" male NPT 1/4" female NPT
PAS-22B PAS-23B	1/4" male NPT 1/4" male NPT	1/4" male flare 3/8" male flare
PAS-32B PAS-33B	3/8" male NPT 3/8" male NPT	1/4" male flare 3/8" male flare
PAS-768-US PAS-44B PAS-45B	1/2" male NPT 1/2" male NPT 1/2" male NPT	3/8" male flare 1/2" male flare 5/8" male flare

2. STEEL ANGLE VALVES

PART NUMBER	CONNECTIONS	
	BOTTOM	SIDE
PAS-761-US PAS-771-US PAS-771R-US PAS-773-US	1/4" male NPT 1/4" male NPT 1/4" male NPT 3/8" male NPT	1/4" male flare 1/4" female NPT 1/8" female NPT 3/8" female NPT



FEATURES

- ***"PAS" series PACKED ANGLE SERVICE valves*** are designed for servicing, charging, purging, gauges testing any refrigeration and air-conditioning installation.
- Forged brass (except for PAS-44 and 45) or steel body for high rigidity and strength and very low or high pressures and temperatures.
- Plated steel stem and hermetic cap with seal.

INSTALLATION

- All male flare connections are standard for refrigerant hoses, and female 45° standard flare fittings.
- All male and female NPT connections are standard for gauges (1/8" NPT and 1/4" NPT) and male / female NPT fittings. (**NPT** = National Pipe Thread). Also said "pipe" or "briggs".
- For any NPT fittings, see hereunder catalogue sections:
  - ***"BRASS 45° FLARE/PIPE FITTINGS"*** **Index 6**.
  - ***"STEEL FITTINGS"*** **Index 6**.
- Our ***"PAS"*** angle valves can be installed on receivers, accumulators, compressors, tubing, etc...
- For direct steel tubing installation, use ***"BS"*** female steel fittings shown on ***"STEEL FITTINGS"*** **Index 6**.

SPECIFICATIONS

- For **R12, R22, R502, R134a, R404A, R407C, R507**, **other blends**, etc... and all **CFC, HCFC & HFC** with their specific oil and lubricant.
- For **R717** (ammonia) use steel angle valve version.
- **Forged brass valves:**
  - Temperature rating: **-40°C** to **+150°C** (-40°F/+300°F)
  - Maximum working pressure: **35 bar** (500 Psi)
- **Forged steel valves:**
  - Finish: black oxide
  - Temperature rating: **-40°C** to **+150°C** (-40°F/+300°F)
  - Maximum working pressure: **70 bar** (1000 Psi)

BRASS ANGLE VALVES

PART NUMBER	DIMENSIONS (mm)				
	A	B	C	D	E
PAS-090 PAS-771B-US	89 93	24 32	22 27	9.5 9.7	6.4 9.5
PAS-22B PAS-23B	89 93	24 30	22 27	9.5 9.5	6.4 8.0
PAS-32B PAS-33B PAS-34B	93 93 96.5	27 30 30	27 27 30	9.5 9.5 8.0	9.6 9.6 9.6
PAS-768-US PAS-44B PAS-45B	100 116 116	32 44 49	31 35 35	9.7 9.5 9.5	12.7 12.8 12.8

STEEL ANGLE VALVES

PART NUMBER	DIMENSIONS (mm)		
	A	B	C
PAS-761-US PAS-771-US PAS-771R-US PAS-773-US PAS-774-US	26.9 26.9 28.0 38.1 38.1	26.9 26.9 26.9 38.1 38.1	60.5 60.5 60.5 66.8 66.8

REFRIGERATION MICRO SERVICE BRASS VALVES

AVAILABLE CONNECTIONS

- ***Male Flare SAE 45°***
- ***Female Flare SAE 45°***
- ***MPT Male Pipe*** *(National Pipe Thread)*
- ***FPT Female Pipe*** *(National Pipe Thread)*
- ***O.D.S.*** *(Solder Ends Connections)*

All fittings (male or female flare SAE or MPT or FPT pipe) shown on **INDEX 5** or **6** can be used with all these *MICRO SERVICE VALVES.*

The service *SHUT-OFF BALL VALVES* are used for all applications (permanent installation, high pressure or vacuum service for recovery and charging stations, manifolds, gauges, hoses, etc...

- Suitable for all CFC, HCFC, HFC and their specific lubricants.
- Straight through flow design with no restriction.
- **1/4 TURN** fully *OPEN* or fully *CLOSED.*
- Compact. Ergonomic.

BVS-02

1/8" female NPT x 1/8" female NPT

BVS-04

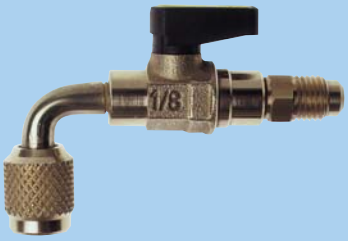
1/4" male flare x 1/4" female flare

BVS-06

3/8" male flare x 3/8" female flare

STRAIGHT BALL VALVES

BVS-02B	1/8" female NPT x 1/8" female NPT, blue
BVS-02R	1/8" female NPT x 1/8" female NPT, red
BVS-02Y	1/8" female NPT x 1/8" female NPT, yellow
BVS-04B	1/4" male flare SAE x 1/4" female flare SAE swivel, blue
BVS-04R	1/4" male flare SAE x 1/4" female flare SAE swivel, red
BVS-04Y	1/4" male flare SAE x 1/4" female flare SAE swivel, yellow
BVS-06B	3/8" male flare SAE x 3/8" female flare SAE swivel, blue
BVS-06R	3/8" male flare SAE x 3/8" female flare SAE swivel, red
BVS-06Y	3/8" male flare SAE x 3/8" female flare SAE swivel, yellow
BVS-04-06B	1/4" female flare SAE swivel x 3/8" male flare SAE, blue
BVS-04-06R	1/4" female flare SAE swivel x 3/8" male flare SAE, red
BVS-04-06Y	1/4" female flare SAE swivel x 3/8" male flare SAE, yellow
BVS-05-04B	5/16" female flare SAE swivel x 1/4" male flare SAE, blue
BVS-05-04R	5/16" female flare SAE swivel x 1/4" male flare SAE, red
BVS-05-04Y	5/16" female flare SAE swivel x 1/4" male flare SAE, yellow
BVS-1/2-ACME/R	2 x 1/2-16 ACME, M x F swivel, red
BVS-06B-M14	3/8" male flare SAE x M14 Female swivel, blue



1/4" female flare 90° x 1/4" male flare

BVA-04

ANGLED (90°) BALL VALVES

BVA-04B	1/4" male flare SAE x 1/4" female flare SAE swivel, blue
BVA-04R	1/4" male flare SAE x 1/4" female flare SAE swivel, red
BVA-04Y	1/4" male flare SAE x 1/4" female flare SAE swivel, yellow
BVA-06R	3/8" male flare SAE x 3/8" female flare SAE swivel, red
BVA-05-04B	5/16" female flare SAE swivel x 1/4" male flare SAE, blue
BVA-05-04R	5/16" female flare SAE swivel x 1/4" male flare SAE, red
BVA-05-04Y	5/16" female flare SAE swivel x 1/4" male flare SAE, yellow

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SMALL ANGLE VALVES

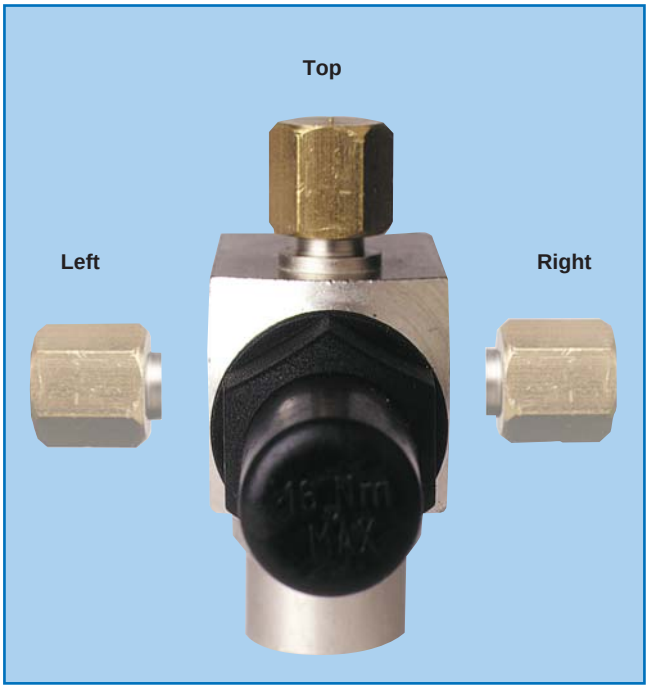
V-35042	1/4" male flare SAE x 1/8" MPT male
V-35040	1/4" ODS solder x 1/4" male flare SAE

BRAZED STEEL ANGLE VALVES

"BACK-SEAT, GAUGE PORT, CAP"

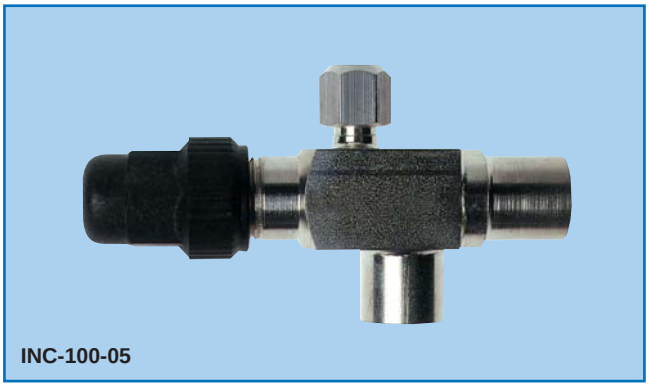
VALVE CONSTRUCTION

- Steel SHUT-OFF VALVES designed, manufactured and tested to be used on hermetic, semi-hermetic and automotive compressors, receivers, condensing units, piping, evaporators and all types of refrigeration, air conditioning systems and OEM's needs.
- Furnace- brazed steel body and copper plated std. finishing.
- **1/4" male flare SAE gauge port** with std hex. cap on **TOP** (right side or left side or NO gauge port on request).
  (Custom design, connections, port gauges, etc... on request).
- Steel body shape and sizes offered:
  3/4" HEXAGONAL and **7/8", 1 1/8", 1 3/8", 1 5/8" SQUARE**.
- Nickel plated **STEM** and hexagonal standard **CAP.**
- Steel brazed **CONNECTIONS** available:
  The ODS connection dimensions for brazing copper tube refer to the external diameter of the copper tube.
  - O.D.S. connections for *"INCH"* copper tubing (**3/8"** to **1 5/8"**)
  - O.D.S. connections for *"METRIC"* copper tubing (**10 mm** to **42 mm**)
- For all **CFC, HCFC, HFC** and all their specific lubricants.



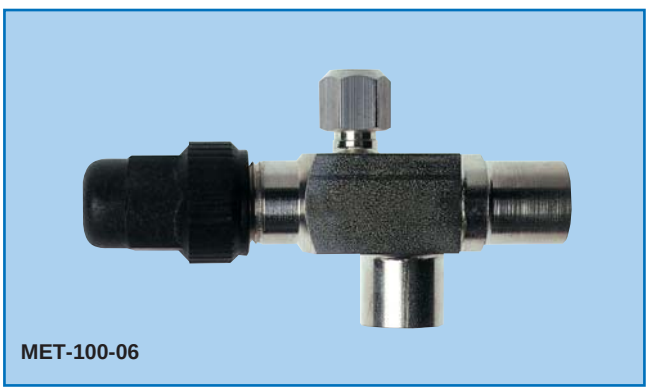
1. STEEL ANGLE VALVES WITH *"ODS"* SOLDER CONNECTIONS FOR *"INCH"* COPPER TUBING

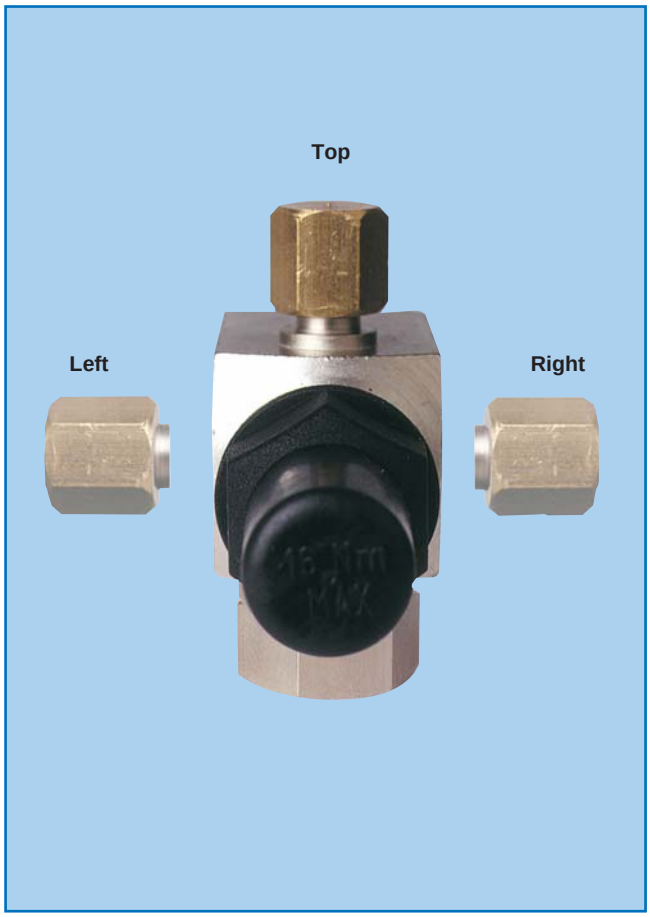
PART NUMBER	END *"ODS"* CONNECTIONS	BODY SIZE
INC-100-05	**3/8" ODS**	3/4" HEX
INC-100-08	**1/2" ODS**	3/4" HEX
INC-200-11	**5/8" ODS**	7/8" SQUARE
INC-300-14	**3/4" ODS**	1 1/8" SQUARE
INC-300-17	**7/8" ODS**	1 1/8" SQUARE
INC-300-22	**1 1/8" ODS**	1 1/8" SQUARE
INC-400-27	**1 3/8" ODS**	1 3/8" SQUARE
INC-500-31	**1 5/8" ODS**	1 5/8" SQUARE



2. STEEL ANGLE VALVES WITH *"ODS"* SOLDER CONNECTIONS FOR *"METRIC"* COPPER TUBING

PART NUMBER	END *"ODS"* CONNECTIONS	BODY SIZE
MET-100-06	**10 mm ODS**	3/4" HEX
MET-100-07	**12 mm ODS**	3/4" HEX
MET-200-12	**16 mm ODS**	7/8" SQUARE
MET-300-13	**18 mm ODS**	1 1/8" SQUARE
MET-300-16	**22 mm ODS**	1 1/8" SQUARE
MET-300-21	**28 mm ODS**	1 1/8" SQUARE
MET-400-28	**35 mm ODS**	1 3/8" SQUARE
MET-500-32	**42 mm ODS**	1 5/8" SQUARE





"ROTALOC" ® VALVES

"COMPRESSORS, RECEIVERS, ETC..."

1. ANGLE *"ROTALOC"* ® VALVES

VALVE CONSTRUCTION

- Steel SHUT-OFF VALVES designed, manufactured and tested to be used on hermetic, semi-hermetic and automotive compressors, receivers, condensing units, piping, evaporators and all types of commercial refrigeration systems and OEM's needs.
- Furnace- brazed steel body and copper plated std. finishing.
- Custom design (connections, port gauges, etc...)on quantity request.

DESCRIPTION

BODY SHAPE & SIZES:
- 3/4" HEXAGONAL and 7/8", 1 1/8", 1 3/8", 1 5/8" SQUARE

SIDE COUPLING "ROTALOC"® CONNECTIONS:
- Hexagonal 3/4"-16, 1"-14, 1 1/4"-12 and 1 3/4"-12

END SOLDERING "ODS" CONNECTIONS:
- 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1 1/8", 1 3/8" and 1 5/8" ODS

GAUGE PORT:
- 1/4" male Flare SAE connection with cap on *"TOP LOCATION"*

STEM CAP:
- Hexagonal standard type.

PART NUMBER	*"ROTALOC"* CONNECTION	END *"ODS"* CONNECTION	BODY SIZE
ROT-100-S03-C	3/4"-16	1/4" ODS	
ROT-100-S05-C	3/4"-16	3/8" ODS	3/4"
ROT-200-S08-C	1"-14	1/2" ODS	
ROT-200-S11-C	1"-14	5/8" ODS	7/8"
ROT-200-S14-C	1"-14	3/4" ODS	
ROT-300-S17-C	1 1/4"-12	7/8" ODS	1 1/8"
ROT-300-S22-C	1 1/4"-12	1 1/8" ODS	
ROT-500-S31-C	1 3/4"-12	1 5/8" ODS	1 5/8"

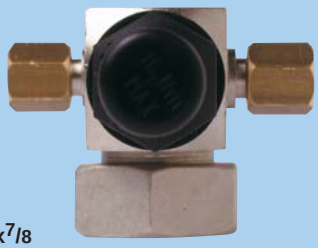
ROT-100-S02-C	3/4"-16	6 mm ODS	
ROT-100-S06-C	3/4"-16	10 mm ODS	3/4"
ROT-200-S07-C	1"-14	12 mm ODS	
ROT-200-S12-C	1"-14	16 mm ODS	7/8"
ROT-300-S16-C	1 1/4"-12	22 mm ODS	1 1/8"
ROT-300-S21-C	1 1/4"-12	28 mm ODS	
ROT-400-S28-C	1 3/4"-12	35 mm ODS	1 3/8"
ROT-500-S32-C	1 3/4"-12	42 mm ODS	1 5/8"

PART NUMBER	*"ROTALOC"* CONNECTION	MALE FLARE SAE CONNECTION	BODY SIZE
ROT-200-1x3/8	1"-14	3/8" male flare	3/4"

PART NUMBER	*"ROTALOC"* CONNECTION	END *"ODS"* CONNECTION	BODY SIZE
ROT-202-1x3/8	1"-14	3/8" ODS	3/4"
ROT-202-1x1/2	1"-14	1/2" ODS	3/4"
ROT-222-1x5/8	1"-14	5/8" ODS	7/8"
ROT-222-1 1/4x5/8	1 1/4"-12	5/8" ODS	7/8"
ROT-222-1 1/4x3/4	1 1/4"-12	3/4" ODS	7/8"
ROT-302-1 1/4x7/8	1 1/4"-12	7/8" ODS	1 1/8"
ROT-302-1 1/4x1 1/8	1 1/4"-12	1 1/8" ODS	1 1/8"
ROT-302-1 3/4x7/8	1 3/4"-12	7/8" ODS	1 1/8"
ROT-352-1 3/4x1 1/8	1 3/4"-12	1 1/8" ODS	1 3/8"
ROT-352-1 3/4x1 3/8	1 3/4"-12	1 3/8" ODS	1 3/8"

ROT-200-S11-C

ROT-200-1x3/8



ROT-302-1 1/4x7/8

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2. *"ROTALOC"*® GASKETS & CAPS

GRT-143	TEFLON GASKET	3/4"-16
GRT-191	TEFLON GASKET	1"-14
GRT-254	TEFLON GASKET	1 1/4"-12
GRT-318	TEFLON GASKET	1 1/2"-16
GRT-381	TEFLON GASKET	1 3/4"-12
GRT-510	TEFLON GASKET	2 1/4"-12

CAP-RT08	CAP	for 3/4" and 1"
CAP-RT10	CAP	1 1/4"
CAP-RT14	CAP	1 3/4"

DESCRIPTION

- Each *"ROTALOC"*® thread coupling is equipped with a proper TEFLON rubber seal (one for each 4 thread sizes).
- Also, any male thread *"ROTALOC"*® end can be temporarily or permanently closed with a suitable female thread cap.

CAP-RT08

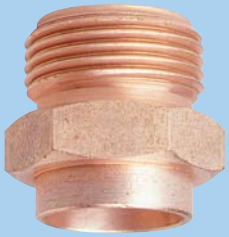
GRT-318
ROTALOC Teflon gasket

3. MALE *"ROTALOC"*® FITTINGS

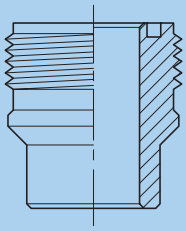
U-200-S08	MALE FITTING	3/4"-16	x	1/2" ODS
U-300-S08	MALE FITTING	1"-14	x	1/2" ODS
U-300-S11	MALE FITTING	1"-14	x	5/8" ODS
U-300-S14	MALE FITTING	1"-14	x	3/4" ODS
U-400-S17	MALE FITTING	1 1/4"-12	x	7/8" ODS
U-500-S22	MALE FITTING	1 3/4"-12	x	1 1/8" ODS
U-500-S27	MALE FITTING	1 3/4"-12	x	1 3/8" ODS

U-200-S07	MALE FITTING	3/4"-16	x	12 mm ODS
U-300-S13	MALE FITTING	1"-14	x	18 mm ODS
U-400-S16	MALE FITTING	1 1/4"-12	x	22 mm ODS

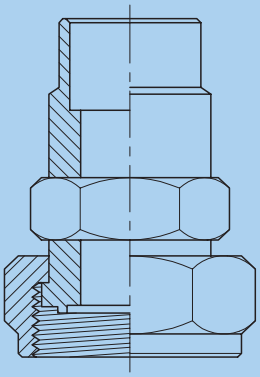
U-2300-06	COPPER STEEL PLATED GASKET	3/4"-16
U-2300-08	COPPER STEEL PLATED GASKET	1"-14
U-2300-10	COPPER STEEL PLATED GASKET	1 1/4"-12
U-2300-14	COPPER STEEL PLATED GASKET	1 3/4"-12



U-300-S14



U-2300-08

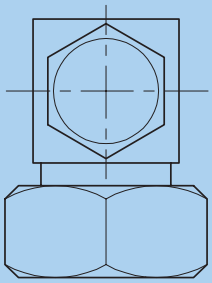


U-1100-S03

4. FEMALE *"ROTALOC"*® STRAIGHT FITTINGS

U-1100-S03	**FEM. STRAIGHT FITTING**	3/4"-16	x	3/4" ODS
U-1100-S05	**FEM. STRAIGHT FITTING**	3/4"-16	x	3/8" ODS
U-1200-S08	**FEM. STRAIGHT FITTING**	1"-14	x	1/2" ODS
U-1300-S14	**FEM. STRAIGHT FITTING**	1 1/4"-12	x	3/4" ODS
U-1300-S17	**FEM. STRAIGHT FITTING**	1 1/4"-12	x	7/8" ODS
U-1300-S22	**FEM. STRAIGHT FITTING**	1 1/4"-12	x	1 1/8" ODS
U-1400-S31	**FEM. STRAIGHT FITTING**	1 3/4"-12	x	1 5/8" ODS

U-1100-S06	**FEM. STRAIGHT FITTING**	3/4"-16	x	10 mm ODS
U-1200-S07	**FEM. STRAIGHT FITTING**	1"-14	x	12 mm ODS
U-1200-S12	**FEM. STRAIGHT FITTING**	1"-14	x	16 mm ODS
U-1300-S13	**FEM. STRAIGHT FITTING**	1 1/4"-12	x	18 mm ODS
U-1300-S16	**FEM. STRAIGHT FITTING**	1 1/4"-12	x	22 mm ODS
U-1300-S21	**FEM. STRAIGHT FITTING**	1 1/4"-12	x	28 mm ODS
U-1400-S28	**FEM. STRAIGHT FITTING**	1 3/4"-12	x	35 mm ODS
U-1400-S32	**FEM. STRAIGHT FITTING**	1 3/4"-12	x	42 mm ODS



U-1500-S05

5. FEMALE *"ROTALOC"*® ANGLE FITTINGS

U-1500-S05	**FEM. ANGLE FITTING**	3/4"-16	x	3/8" ODS
U-1600-S08	**FEM. ANGLE FITTING**	1"-14	x	1/2" ODS
U-1600-S11	**FEM. ANGLE FITTING**	1"-14	x	5/8" ODS
U-1700-S14	**FEM. ANGLE FITTING**	1 1/4"-12	x	3/4" ODS
U-1700-S17	**FEM. ANGLE FITTING**	1 1/4"-12	x	7/8" ODS
U-1700-S22	**FEM. ANGLE FITTING**	1 1/4"-12	x	1 1/8" ODS
U-1800-S31	**FEM. ANGLE FITTING**	1 3/4"-12	x	1 5/8" ODS

U-1500-S06	**FEM. ANGLE FITTING**	3/4"-16	x	10 mm ODS
U-1700-S13	**FEM. ANGLE FITTING**	1 1/4"-12	x	18 mm ODS
U-1700-S16	**FEM. ANGLE FITTING**	1 1/4"-12	x	22 mm ODS
U-1700-S21	**FEM. ANGLE FITTING**	1 1/4"-12	x	28 mm ODS
U-1800-S28	**FEM. ANGLE FITTING**	1 3/4"-12	x	35 mm ODS
U-1800-S32	**FEM. ANGLE FITTING**	1 3/4"-12	x	42 mm ODS

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STAINLESS *"BALL"* CHECK - VALVES

"ZERO PRESSURE DROP OR NORMALLY CLOSED OR NORMALLY OPEN BALL CHECK"

DESCRIPTION

- The copper spun ball check valve has a metal to metal seating (stainless steel ball to brass seat under 65° touching angle).
- Dirt and foreign material are pushed away of the seat. The ball coins its own seat which allows for slight difference in ball diameter.
- The straight through flow around the ball yields high flow capacities for small body diameter valve bodies.
- These check valves are a one piece body constructed of copper tubing which eliminates leaks.

PURPOSES

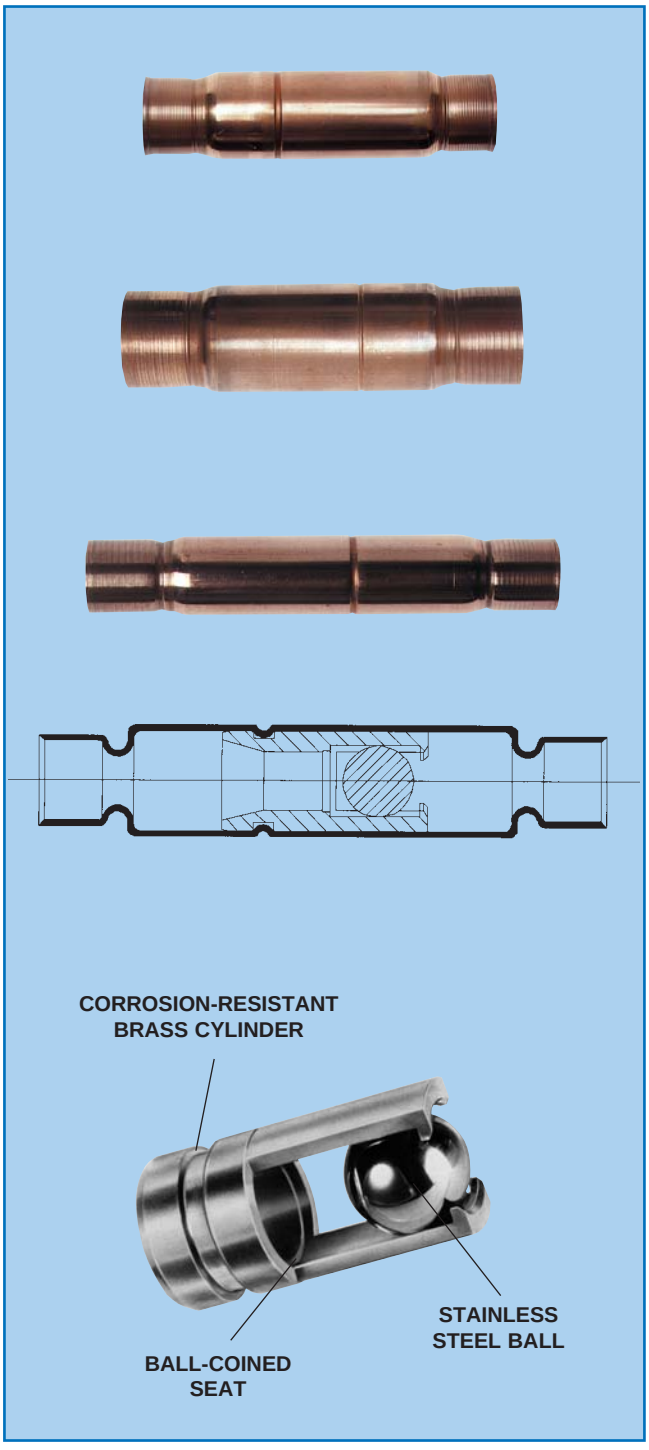
- The all metal design allows for higher installation and operating temperatures. Compact. *"in line"* installation.
- Ideal for refrigeration and heat pump applications.
- Quick and easy **ODS** copper to copper soldering.
- *HORIZONTAL INSTALLATION:*
  - No pressure drop and floating ball
  - If possible, the outlet must be at 30° above horizontal

  VERTICAL INSTALLATION (with the outlet pointed up):
  - Normally close position (ball downs on the seat and we need pressure drop for opening)
  - This is the best installation

  VERTICAL INSTALLATION (with the outlet pointed down):
  - Normally open position (***attention:*** down ball out of the seat and pressure drop needed for closing)

SPECIFICATIONS

- Corrosion-resistant (stainless steel, brass and copper).
- Suitable for all **CFC, HCFC, HFC** and their specific lubricant.
- Leak rate: **750 cc/min.** (dry fluid).
- Full flow. No pressure drop to open (see above).
- **U.L. listed** (SA-8571) and **CSA listed** (LR-87950).
- Working pressure: **35 bar** (500 Psi).



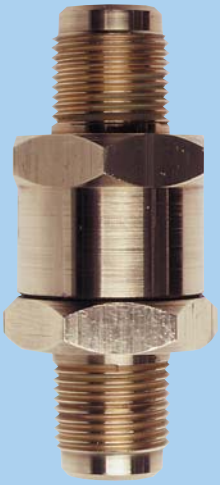
STANDARD *"BALL"* CHECK VALVES

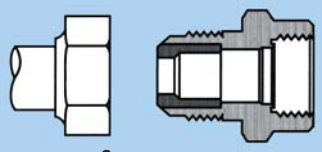
CAPACITIES SHOWN IN kW (1kW = 860 kcal/h = 0.284 US TON of Refrigeration)

PART NUMBER	ODS CONNECTIONS	BODY Ø (mm)	LENGTH (mm)	SEAT Ø (mm)	FLOW (in kW/h under **0,14 bar** or **2 Psi**		
					R12	R22	R502
BCV-4-4	**1/4" ODS**	12.7	96	6.35	13.4	17.6	11.6
BCV-4-6	**3/8" ODS**	12.7	96	6.35	13.4	17.6	11.6
BCV-05	**1/2" ODS**	15.9	96	7.95	23.9	31.6	21.1
BCV-07	**5/8" ODS**	22.2	115	11.90	45.0	59.8	39.7
BCV-09	**7/8" ODS**	28.6	115	17.50	92.5	123.0	82.6
BCV-11	**1 1/8" ODS**	34.9	127	20.70	243.0	323.0	217.0

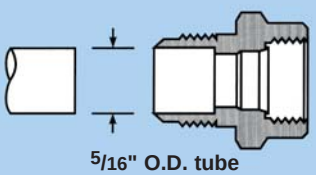
NOTE: capacities rated at **-30°C** (86°F) liquid temperature and **-15°C** (5°F) evaporating temperature

MS-08

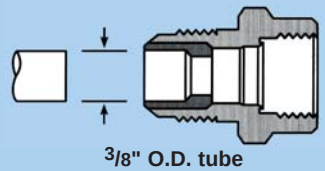




3/8" O.D. tube
For 3/8" flare installations or 1/4" solder. Allow insert to remain.



5/16" O.D. tube
For 5/16" solder installation reverse insert.



3/8" O.D. tube
For 3/8" solder installation, remove insert.

MTS-06

"MT" & *"MTS"* MAGNI CHECK-VALVES

"NORMALLY CLOSED MAGNET DISC"

DESCRIPTION & SPECIFICATIONS

- These magnet seat disc CHECK-VALVES stay *NORMALLY CLOSED* due to their **magnet seat disc** (even when the pressure balance) and need a low pressure drop to open (see *"MT"* or *"MTS"* tables).
- The ***"MT"*** spun CHECK-VALVE has an inlet micronic built-in stainless steel strainer ***(30 mesh)***.
- Suitable for all **CFC, HCFC , HFC** and their specific lubricant.
- **U.L. listed** (SA-4468) and **CSA listed** (LR-96509-1)

GENERAL INSTALLATION

- All these ***"MAGNI"*** Check-Valves offer an ***"in line"*** installation.
- Take care during soldering operation to prevent overheating the disc (wet rag or cooling fixture).
- Can be installed in any position.
- The ***"MT"*** spun offers copper ***ODS*** end connections.
- The ***"MTS"*** brass offers ***Male Flare SAE*** as well as diverse ***ODS*** solder connections due to the use of included ODS inserts.
  The four basic types offer 47 combinations of male flare (inlet or outlet) x ODS (inlet or outlet) mixed connections.

TYPICAL APPLICATIONS

- *COMPRESSOR DISCHARGE LINES:*
  Prevents any condensating back-flow from condenser to compressor during the "off" cycle.
  Prevents flow from an operating compressor to one that is idle.
- *LIQUID LINES:*
  Prevents back-flow through the unused expansion valve on heat pump systems or other reversing units.
  Prevents back-up into the low pressure liquid line of a recirculating system during a defrost period. Etc...

1. *"MT"* SPUN *"MAGNI"* CHECK-VALVES WITH BUILT-IN STRAINER AND *"ODS COPPER"* CONNECTIONS

PART NUMBER	COPPER END CONNECTIONS (O.D.S.)	BODY LENGTH (mm)	BODY DIAMETER (mm)	OPENING PRESSURE (bar)	MAXIMUM WORKING PRESSURE (bar)
MS-04	**1/4" ODS**	102	22	0,0040	55
MS-06	**3/8" ODS**	102	22	0,0040	55
MS-08	**1/2" ODS**	127	29	0,0095	44
MS-10	**5/8" ODS**	127	29	0,0095	44
MS-12	**3/4" ODS**	178	41	0,0240	38
MS-14	**7/8" ODS**	178	41	0,0240	38
MS-18	**1 1/8" ODS**	213	54	0,0300	28
MS-22	**1 3/8" ODS**	238	67	0,0450	30
MS-26	**1 5/8" ODS**	267	79	0,0620	29
MS-34	**2 1/8" ODS**	305	92	0,1030	28

2. *"MTS"* BRASS *"MAGNI"* CHECK-VALVES WITH NO STRAINER AND *"Male Flare SAE"* or *"ODS"* CONNECTIONS

PART NUMBER	MIXED INLET CONNECTIONS OFFERED	MIXED OUTLET CONNECTIONS OFFERED	OPENING PRESSURE	
			(bar)	(Psi)
MTS-04	**1/4" Flare SAE** or **1/4" ODS** or **3/16" ODS** or **1/8" ODS**		0,028	0.4
MTS-06	**3/8" Flare SAE** or **3/8" ODS** or **5/16" ODS** or **1/4" ODS**		0,028	0.4

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"STD", "HX" & "HP" SUCTION ACCUMULATORS

"THE COMPLETE OEM'S TESTED LINE FOR AN EXACT SELECTION"

WHY A SUCTION LINE ACCUMULATOR ?

- Air conditioning, heat pumps, truck refrigeration and many other std. or remote unit systems require intermittent operation of the compressor. The suction line may trap and hold quantities of liquid which are suddenly dumped into the compressor as it starts up. This is frequently the cause of broken valves or pistons, broken or bent connecting rods, blown gaskets and bearing washout.
- The correct installation of our *SUCTION ACCUMULATORS* in the suction line and just before the compressor, eliminates damage.
- Liquid is temporarily held in the *SUCTION ACCUMULATOR* and metered back to the compressor along with any trapped oil.

WHAT ARE THE MOST IMPORTANT FEATURES ?

- Exclusive (patented) **inlet deflector** for improved performance. deflector permits full tangential entry of fluid (not the copies).
- **O.D.S.** connections are *"INLET"* and *"OUTLET"* marked.
- All these *SUCTION ACCUMULATORS* have safety fusible plug installed (according to **U.L., cU.L.** and **CSA** requirements).
- Full controlled hydrogen copper brazing and cleaning process.

HOW TO SELECT A SUCTION ACCUMULATOR ?

- Follow carefully our *"CAPACITY & SELECTION TABLE"*. **maximum capacities** shown are based on a pressure drop through the ACCUMULATOR equivalent to **0,3°C** (0,5°F). **minimum capacities** shown are based on a full oil metered return through our *SUCTION ACCUMULATORS*.
- It is not necessary to select the same *"INLET"* and *"OUTLET"* **O.D.S.** connection as the compressor suction line size. It is more important to select the *SUCTION ACCUMULATOR:*
  FIRST: Within the **PRESSURE DROP** limit of the table
  SECOND: Within the **MAX CAPACITY** shown on the table for full oil metered return capacity
  THIRD: For the total amount of **CHARGE** to be held
- Normally, the *SUCTION ACCUMULATOR* should not be sized for less than **50%** of the total system capacity.

HOW TO USE THE "CAPACITY & SELECTION TABLE" ?

- On the pages 218 and 219 you'll find the *"CAPACITY & SELECTION TABLE"* you must use. Please note:
  - **PART NUMBERS:** The 3 types are shown (**Standard, HX** and **HP** types)
  - **DIMENSIONS** (diametre & length): Given in inches. 1 Inch = 25, 4 mm (1 mm = 0.0394 inch).
  - **MAXIMUM REFRIGERANT HOLDING CAPACITY:** Shown in Lbs of holding refrigerant. See above paragraph. 1 lbs = 0.4536 kg 1 kg = 2.2 lbs
  - **SUCTION INLET & OUTLET O.D.S.:** For brazing copper tubing of the suction line entering the connections of the three *ACCUMULATOR* types. (standard, HX and HP).
  - **LIQUID INLET O.D.S.:** Here the liquid line connections for the ***"HX"*** are given *SUCTION ACCUMULATOR* types (only the ***"HX"*** *types*).
  - **EVAPORATING TEMPERATURE:** Shown in °F To transform °F into °C: (°F - 32)/1,8 To transform °C into °F: (°C x 1,8) + 32
  - **RECOMMENDED TONS OF REFRIGERANT:** Capacities shown in "US TONS" of refrigeration **1 US TON = 3.52 kW** (= 3024 Kcal/h) **1 kW = 0.284 US TON** (= 860 Kcal/h)

3816

3836

1. *"STANDARD"* SUCTION ACCUMULATORS

"THE MOST COMPLETE OEM'S TESTED LINE"

3816	**SUCTION ACCUMULATOR** vertical	1/2" ODS
3817	**SUCTION ACCUMULATOR** vertical	1/2" ODS
3701	**SUCTION ACCUMULATOR** vertical	5/8" ODS
3702	**SUCTION ACCUMULATOR** vertical	5/8" ODS
3703	**SUCTION ACCUMULATOR** vertical	3/4" ODS
3738	**SUCTION ACCUMULATOR** vertical	7/8" ODS
3700	**SUCTION ACCUMULATOR** vertical	1 1/8" ODS
3832	**SUCTION ACCUMULATOR** vertical	1 1/8" ODS
3706	**SUCTION ACCUMULATOR** vertical	1 3/8" ODS
3704	**SUCTION ACCUMULATOR** vertical	1 5/8" ODS

3826	**SUCTION ACCUMULATOR** horizontal	7/8" ODS
3831	**SUCTION ACCUMULATOR** horizontal	1 1/8" ODS
3836	**SUCTION ACCUMULATOR** horizontal	1 3/8" ODS
3810	**SUCTION ACCUMULATOR** horizontal	1 5/8" ODS
3838	**SUCTION ACCUMULATOR** horizontal	2 1/8" ODS
3839	**SUCTION ACCUMULATOR** horizontal	2 1/8" ODS

3639	**SUCTION ACCUMULATOR** vertical	2 1/8" ODS
3641	**SUCTION ACCUMULATOR** vertical	2 5/8" ODS
3640	**SUCTION ACCUMULATOR** vertical	3 1/8" ODS

3841	**SUCTION ACCUMULATOR** horizontal	2 5/8" ODS
3840	**SUCTION ACCUMULATOR** horizontal	3 1/8" ODS

DESCRIPTION

- This is the most complete *OEM's* tested line.
- **When**:
  Starting your system. Running the system at a reduced capacity in winter, the oil separator is not very efficient so an intermittent poor oil separation occurs, the TXV or solenoid valves fails, you start again the cooling process after a defrost cycle, etc.... *LIQUID* or *OIL* can be pushed out of the evaporator into the suction line and damage the compressor if there is *NO* suction accumulator.
- As soon as any amount of *LIQUID* or *OIL* has been trapped into the *"STANDARD" SUCTION ACCUMULATOR,* it will be immediately re-evaporated (with no delay) even if the system is not running at full capacity.
- This is due to a special and perfectly safe patented expansion metering device.

CAPACITY AND SELECTION TABLE

- See *"CAPACITY & SELECTION TABLE"* on pages 218 and 219.

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2. *"HEAT EXCHANGER"* LIQUID x SUCTION ACCUMULATORS

"MONEY SAVING, HIGH EFFICIENCY"

DESCRIPTION

- Development of the *"HEAT EXCHANGER" SUCTION LINE ACCUMULATORS* as a refrigeration component has resulted in new and practical design and possibilities in your system.
- Issued from the *"STANDARD"* ones and available on stock.
- The *"HEAT EXCHANGER"* and *"SUCTION ACCUMULATOR"* combinations bear the same **PART NUMBER** as the *"STANDARD"* ones except that the prefix ***"HX"*** has been added to indicate the presence of the heat exchanger coil as well as the additional two **O.D.S.** connections (inlet and outlet) for the liquid line.
- All *"HEAT EXCHANGER" SUCTION ACCUMULATORS* are complete with a safety leak proof fusible plug installed and complying with **U.L., cU.L.** and **CSA** requirements. (Except those built to **ASME code**).

DATA's

- Same as the *"STANDARD" SUCTION ACCUMULATORS* shown on the previous page.

CAPACITY AND SELECTION TABLE

- Use the *"CAPACITY & SELECTION TABLE"* shown on pages 218 and 219.

HX-3836

PART NUMBER	CONNECT. (ODS)
HX-3702	5/8" x 3/8"
HX-3703	3/4" x 3/8"
HX-3738	7/8" x 1/2"
HX-3639	2 1/8" x 7/8"
HX-3641	2 5/8" x 1 3/8"
HX-3640	3 1/8" x 1 3/8"

PART NUMBER	CONNECT. (ODS)
HX-3836	1 3/8" x 5/8"
HX-3810	1 5/8" x 3/4"
HX-3839	2 1/8" x 7/8"
HX-3841	2 5/8" x 1 3/8"
HX-3840	3 1/8" x 1 3/8"

3. *"HEAT PUMP"* SPECIAL SUCTION ACCUMULATORS

"THE UNIQUE & TRUE OEM'S DESIGN FOR HEAT PUMP UNITS"

DESCRIPTION

- From our *"STANDARD" SUCTION ACCUMULATOR* range, modifications have been made on **7 models** for **HEAT PUMP** applications.
- The *INLET DEFLECTOR TUBE BAFFLE*, smaller *METERING ORIFICE* and *PROTECTIVE SCREEN* have been especially designed for such an application and have proven to be a value. In addition, *"HEAT PUMP" SUCTION ACCUMULATORS* are designed for *LESS PRESSURE DROP*.
- As for others, these *OEM's "HEAT PUMP" ACCUMULATORS* are now offered as catalogued items and available on stock.
- All of them are complete with a safety fusible plug installed to comply with **U.L., cU.L.** and **CSA** requirements.

"CAPACITY AND SELECTION TABLE"

- Use the *"CAPACITY & SELECTION TABLE"* shown on pages 218 and 219.

HP-3700

PART NUMBER	CONNECT. (ODS)
HP-3701	5/8"
HP-3702	5/8"
HP-3703	3/4"
HP-3738	7/8"

PART NUMBER	CONNECT. (ODS)
HP-3700	1 1/8"
HP-3706	1 3/8"
HP-3704	1 5/8"

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CAPACITY AND SELECTION TABLE

WHO SAYS ***"EQUIVALENTS"...?*** CAN ACCUMULATORS BE COMPARED OR CROSS-REFERENCED BY NIPPLE SIZE AND EXT. DIMENSIONS ONLY?
"SORRY, NOT AT ALL..." INTERNAL DESIGN CAN BE OF EVEN GREATER IMPORTANCE... DON'T TAKE A CHANCE... BE PROFESSIONAL AND ONLY USE AN ***"ORIGINAL SUCTION ACCUMULATOR"*** OF OURS.

PART NUMBER			VERT OR HORIZ	DIA (cm)	# LENGTH (cm)	UL& CSA MODEL NO.	MAXIMUM REFRIGERANT HOLDING CAPACITY (kg)									SUCTION O.D.S. CONNECT (for All)	LIQUID O.D.S. CONNECT *"HX"* only
STD	HX	HP					R12	R22	R134a	R401A	R401B	R402A	R402B	R404A	R502		
3680*			V	7.6	20.65	HN	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7		
3816			V	10.2	16.51	KN	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0		
3817			V	10.2	26.67	KH	2.1	1.9	1.9	1.9	1.9	1.8	1.8	1.7	2.0	**1/2**	
3815*			H	7.6	20.02	HN	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7		
3673*			H	7.6	27.64	HN	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0		
3684*			V	7.6	19.53	HN	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7		
3701	**HX3701***	**HP3701***	V	10.2	16.84	KN	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0		
3685*			V	7.6	30.48	HN	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.3		
3702	**HX3702**	**HP3702***	V	10.2	27.00	KN	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.6	1.9	**5/8**	**3/8**
3820*			H	7.6	20.02	HN	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4		
3821*			H	7.6	29.54	HN	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1		
3703	**HX3703**	**HP3703***	V	10.2	27.00	KN	2.0	1.8	1.9	1.9	1.9	1.8	1.8	1.7	1.9	**3/4**	**3/8**
3670*			V	10.2	27.94	KN	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.6	1.9		
3738	**HX3738**	**HP3738**	V	12,7	33.02	DN	3.9	3.6	3.6	3.6	3.6	3.4	3.4	3.1	3.6		
3827*			V	15.2	33.02	MN	5.5	5.0	5.1	5.0	5.0	4.9	4.9	4.4	5.1	**7/8**	**1/2**
3825*			H	15.2	25.40	MN	4.8	4.4	4.4	4.4	4.4	4.2	4.2	3.8	4.4		
3826			H	15.2	34.29	MN	6.6	5.9	6.0	6.0	6.0	5.8	5.8	5.3	6.1		
3832			V	15.2	27.94	MN	4.2	3.9	3.9	3.9	3.9	3.7	3.7	3.4	3.9		
3700	**HX3700**	**HP3700**	V	15.2	38.10	MN	6.4	5.9	5.9	5.9	5.9	5.7	5.7	5.2	6.0		
3830*			H	15.2	34.29	MN	7.4	6.7	6.8	6.7	6.7	6.5	6.5	5.9	6.8	**1 1/8**	**5/8**
3831			H	15.2	41.91	MN	8.9	8.1	8.2	8.1	8.1	8.1	7.8	7.1	8.3		
3837			V	15.2	34.29	MN	5.3	4.8	4.9	4.8	4.8	4.6	4.6	4.2	4.9		
3706	**HX3706**	**HP3706**	V	15.2	51.43	MN	8.8	7.9	8.1	8.0	8.0	7.7	7.7	7.0	8.1		
3743*			V	15.2	62.87	MN	11.2	10.3	10.4	10.3	10.3	9.9	9.9	9.0	10.4	**1 3/8**	**5/8**
3835*			H	15.2	34.29	MN	7.4	6.7	6.8	6.7	6.7	6.5	6.5	5.9	6.8		
3836	**HX3836***		H	15.2	57.15	MN	8.5	7.8	7.8	7.8	7.8	7.5	7.5	6.8	7.9		
3698*			V	15.2	43.51	MN	7.1	6.4	6.5	6.5	6.5	6.3	6.3	5.7	6.6		
3704	**HX3704**	**HP3704***	V	15.2	62.86	MN	11.2	10.3	10.4	10.3	10.3	9.9	9.9	9.0	10.4		
3809*			H	15.2	45.72	MN	6.4	5.8	5.9	5.8	5.8	5.6	5.6	5.1	5.9	**1 5/8**	**3/4**
3810*	**HX3810***		H	15.2	76.20	MN	10.7	9.7	9.8	9.7	9.7	9.4	9.4	8.5	9.9		
3639	**HX3639***		V	21.9	50.80	*	15.4	14.0	14.2	14.1	14.1	13.6	13.6	12.3	14.3		
3838*			H	15.2	91.44	MN	15.4	14.0	14.2	14.1	14.1	13.6	13.6	12.3	14.3	**2 1/8**	**7/8**
3839*	**HX3839***		H	20.3	121.92	MN	20.6	18.7	18.7	18.8	18.8	18.1	18.2	16.5	19.1		
3641	**HX3641***		V	27.3	50.80	*	25.3	23.0	23.3	23.0	23.0	22.3	22.3	20.3	23.5		
3841	**HX3841***		H	21.9	60.96	*	22.3	20.2	20.5	20.3	20.3	19.6	19.6	17.8	20.6	**2 5/8**	**1 3/8**
3640	**HX3640***		V	27.3	66.04	*	36.2	32.9	33.0	33.0	31.8	31.8	31.9	29.0	33.6		
3840	**HX3840***		H	27.3	60.96	*	35.2	31.9	32.3	32.0	32.0	30.9	31.0	28.1	32.6	**3 1/8**	**1 3/8**
3873*	**HX3873***		H	27.3	121.92	*	74.7	67.8	68.7	68.0	68.0	65.6	65.9	59.7	69.2		
3874*	**HX3874***		H	27.3	152.40	*	94.4	85.8	86.9	86.0	86.0	83.0	83.3	75.5	87.6		

- SUCTION ACCUMULATORS OF **6"** DIAMETER OR SMALLER ARE **U.L. Listed** (SA-2400) and **CSA** (66605) HYDROGEN COPPER BRAZED.
- SUCTION ACCUMULATORS LARGER THAN **6"** DIAMETER ARE MADE TO **ASME Code**.
- **"MAXIMUM RECOMMENDED TONS" (U.S. TON)** BASED ON PRESSURE DROP THROUGH SECTION ACCUMULATOR EQUIVALENT TOP **0.3°C** (0.5°F)
- **"MINIMUM RECOMMENDED TONS" (U.S. TON)** BASED ON FULL METERING OIL RETURN THROUGH ACCUMULATOR

Tel : +32 3 766 02 02
Fax: +32 3 766 10 67

PART NUMBER			EVAP TEMP	RECOMMENDED KW OF REFRIGERATION (kW)																	
				R12		R22		R134a		R401A		R401B		R402A		R402B		R404A		R502	
STD	HX	HP		MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
3680*			+4.4°C	1.8	0.4	3.2	0.6	1.6	0.4	1.9	0.4	2.0	0.5	3.1	0.5	3.0	0.5	2.8	0.5	2.8	0.5
3816			-6.7°C	1.2	0.3	2.2	0.5	1.1	0.3	1.3	0.4	1.4	0.4	2.2	0.4	2.1	0.4	2.0	0.4	2.0	0.4
3817			-18°C	0.8	0.3	1.6	0.4	0.7	0.3	0.8	0.3	0.9	0.3	1.5	0.3	1.4	0.3	1.4	0.3	1.4	0.3
3815*			-29°C	0.5	0.2	1.1	0.3	0.5	0.2	0.6	0.2	0.6	0.2	0.9	0.2	0.9	0.2	0.9	0.2	0.9	0.2
3673*			-40°C	0.3	0.1	0.6	0.2	0.3	0.1	0.4	0.1	0.4	0.2	0.5	0.2	0.5	0.2	0.5	0.2	0.5	0.2
3684*			+4.4°C	3.5	0.5	7.0	0.6	3.2	0.5	3.9	0.5	4.0	0.5	6.0	0.6	5.7	0.6	5.4	0.5	5.4	0.5
3701	HX3701	HP3701*	-6.7°C	2.1	0.4	4.4	0.6	1.9	0.4	2.3	0.4	2.4	0.5	0.4	0.5	3.7	0.5	3.5	0.4	3.5	0.4
3685*			-18°C	1.4	0.4	3.0	0.5	1.3	0.4	1.5	0.4	1.6	0.4	2.7	0.4	2.6	0.4	2.4	0.4	2.5	0.4
3702	HX3702	HP3702*	-29°C	0.9	0.3	1.9	0.4	0.8	0.3	0.9	0.3	1.0	0.3	1.8	0.3	1.7	0.3	1.6	0.3	1.6	0.3
3820*			-40°C	0.5	0.2	1.2	0.3	0.5	0.2	0.6	0.2	0.6	0.2	1.0	0.3	0.9	0.2	0.9	0.2	0.9	0.2
3821*																					
			+4.4°C	6.3	0.5	10.5	0.8	5.7	0.5	7.0	0.6	7.3	0.6	10.8	0.8	10.3	0.8	9.8	0.8	9.8	0.8
			-6.7°C	4.0	0.4	7.4	0.6	3.6	0.4	4.4	0.5	4.6	0.5	7.7	0.7	7.4	0.6	7.0	0.6	7.0	0.6
3703	HX3703	HP3703*	-18°C	2.5	0.4	5.3	0.6	2.2	0.4	2.7	0.4	2.8	0.5	5.4	0.6	5.2	0.6	4.9	0.6	4.9	0.6
			-29°C	1.7	0.3	3.9	0.5	1.5	0.3	1.9	0.4	1.9	0.4	3.1	0.5	3.0	0.5	2.8	0.5	2.8	0.5
			-40°C	1.0	0.2	2.1	0.4	0.9	0.2	1.1	0.2	1.1	0.2	1.9	0.4	1.8	0.4	1.8	0.4	1.8	0.4
3670*			+4.4°C	8.8	1.3	14.1	1.9	7.9	1.2	9.7	1.4	10.1	1.4	15.5	2.0	14.8	2.0	14.1	1.9	14.1	1.9
3738	HX3738	HP3738*	-6.7°C	6.3	1.1	10.5	1.6	5.7	1.1	7.0	1.2	7.3	1.3	11.6	1.7	11.1	1.7	10.5	1.6	10.5	1.6
3827*			-18°C	3.5	0.9	8.1	1.4	3.1	0.9	3.9	1.0	4.0	1.1	7.7	1.5	7.4	1.4	7.0	1.4	7.0	1.4
3825*			-29°C	2.5	0.7	5.3	1.2	2.2	0.7	2.7	0.8	2.8	0.8	5.0	1.3	4.8	1.2	4.6	1.2	4.6	1.2
3826			-40°C	1.4	0.6	3.2	0.9	1.3	0.6	1.5	0.7	1.6	0.7	2.7	1.1	2.6	1.0	2.5	0.9	2.5	0.9
3832			+4.4°C	17.6	1.8	31.6	2.7	15.3	1.7	19.3	1.9	20.2	2.0	34.8	3.0	33.2	2.8	31.6	2.7	31.6	2.7
3700	HX3700	HP3700	-6.7°C	1132	1.5	21.8	2.3	10.1	1.5	12.4	1.7	12.9	1.8	23.2	2.5	22.1	2.4	21.1	2.3	21.1	2.3
3830*			-18°C	7.4	1.3	15.1	2.0	6.4	1.3	8.1	1.4	8.5	1.5	15.5	2.2	14.8	2.1	14.1	2.0	14.1	2.0
3831			-29°C	4.9	1.1	9.8	1.7	4.3	1.0	5.4	1.2	5.7	1.2	9.7	1.8	9.2	1.7	8.8	1.7	8.8	1.7
			-40°C	3.2	0.6	6.3	1.3	2.7	0.5	3.5	0.6	3.6	0.6	5.4	1.5	5.2	1.4	4.9	1.3	4.9	1.3
3837			+4.4°C	28.1	4.9	59.8	7.0	25.3	4.7	30.9	5.4	32.3	5.7	58.0	7.7	55.2	7.4	52.7	7.0	52.7	7.0
3706	HX3706	HP3706	-6.7°C	21.1	4.2	38.7	6.7	19.0	4.1	23.2	4.6	24.3	4.9	38.7	7.3	36.9	7.0	35.1	6.7	35.1	6.7
3743*			-18°C	13.4	3.5	27.0	5.6	12.0	3.4	14.7	3.9	15.4	4.0	27.1	6.2	25.8	5.9	24.6	5.6	24.6	5.6
3835*			-29°C	8.4	3.2	17.6	4.6	7.6	3.1	9.3	3.3	9.7	3.6	17.4	5.0	16.6	4.8	15.8	4.6	15.8	4.6
3836	HX3836*		-40°C	4.9	2.5	10.5	3.9	4.4	2.4	5.4	2.7	5.7	2.8	9.7	4.3	9.2	4.0	8.8	3.9	8.8	3.9
3698*			+4.4°C	45.7	4.9	98.4	7.0	41.1	4.7	50.3	5.4	52.4	5.7	96.7	7.7	92.1	7.4	87.9	7.0	87.9	7.0
3704	HX3704	HP3704*	-6.7°C	31.6	4.2	66.8	6.7	28.5	4.1	34.8	4.7	36.2	4.9	69.6	7.3	66.5	7.0	63.3	6.7	63.3	6.7
3809*			-18°C	21.1	3.5	45.7	5.6	19.0	3.4	23.2	3.9	24.3	4.0	46.4	6.2	44.3	5.9	42.2	5.6	42.2	5.6
3810*	HX3810*		-29°C	14.1	3.2	28.1	4.6	12.7	3.1	15.5	3.5	16.2	3.6	27.1	5.0	25.8	4.8	24.6	4.6	24.6	4.6
			-40°C	7.0	2.5	17.6	3.9	6.3	2.4	7.7	2.7	8.1	2.8	15.5	4.3	14.8	4.0	14.1	3.9	14.1	3.9
			+4.4°C	112.5	13.0	207.4	20.4	101.3	12.6	123.8	14.3	129.4	14.9	212.7	22.4	202.9	21.4	193.4	20.4	193.4	20.4
3639	HX3639*		-6.7°C	73.8	11.3	144.2	18.3	66.5	10.9	81.2	12.3	84.7	12.9	150.8	20.1	143.8	19.2	137.1	18.3	137.1	18.3
3838*			-18°C	49.2	9.1	94.9	15.1	44.3	8.8	54.1	10.1	56.6	10.5	100.6	16.6	96.0	15.9	91.4	15.1	91.4	15.1
3839*	HX3839		-29°C	28.1	7.4	63.3	13.0	25.3	7.1	30.9	8.1	32.3	8.5	61.9	14.3	59.1	13.6	56.3	13.0	56.3	13.0
			-40°C	17.6	6.0	42.2	9.5	15.8	5.8	19.3	6.6	20.2	6.9	38.7	10.4	37.0	10.0	35.2	9.5	35.2	9.5
			+4.4°C	175.8	20.7	316.4	33.4	158.2	20.0	193.4	22.8	202.2	23.9	328.7	36.6	313.6	35.1	298.9	33.4	298.9	33.4
3641	HX3641*		-6.7°C	116.0	18.3	218.0	29.5	104.4	17.7	127.6	20.1	133.3	21.0	232.1	32.5	221.5	31.0	211.0	29.5	211.0	29.5
3841	HX3841*		-18°C	77.4	14.8	147.7	24.6	69.6	14.3	85.1	16.2	89.0	17.1	154.7	27.1	147.7	25.8	140.6	24.6	140.6	24.6
			-29°C	45.7	12.0	98.4	21.1	41.1	11.5	50.3	13.1	52.4	13.7	96.7	23.2	92.1	22.2	87.9	21.1	87.9	21.1
			-40°C	28.1	9.8	63.2	14.8	25.3	9.5	30.9	10.8	32.3	11.3	58.0	16.2	55.2	15.5	52.7	14.8	52.7	14.8
			+4.4°C	246.1	35.2	457.1	52.7	221.5	34.0	270.7	38.7	283.0	40.4	483.5	58.0	461.3	55.2	439.5	52.7	439.5	52.7
3640	HX3640*		-6.7°C	189.9	30.6	316.4	45.7	170.9	29.5	208.9	33.6	218.3	35.2	348.1	50.3	332.2	47.8	316.4	45.7	316.4	45.7
3840	HX3840*		-18°C	130.1	23.9	211.0	38.7	117.1	23.1	143.1	26.3	149.4	27.5	232.1	42.5	221.5	40.4	211.0	38.7	211.0	38.7
3873*	HX3873*		-29°C	80.9	21.4	140.6	32.7	72.8	20.7	89.0	23.6	92.8	24.6	154.7	35.9	147.7	34.3	140.6	32.7	140.6	32.7
3874*	HX3874*		-40°C	45.7	16.9	98.4	26.4	41.1	16.3	50.3	18.6	52.4	19.4	96.7	17.4	92.1	16.6	87.9	15.8	87.9	15.8

- **"HX"** PREFIX MEANS ***"HEAT EXCHANGER"*** SUCTION ACCUMULATOR TYPE
- **"HP"** PREFIX MEANS ***"HEAT PUMP"*** SUCTION ACCUMULATOR MODEL

* No stock item

SPECIFIC MUFFLERS

"NOT A MUFFLER OF ALL WORK BUT A SELECTED ONE FOR YOUR NEED"

1. *"M"* DISCHARGE MUFFLERS

M-60

DESCRIPTION

- Some systems are noisy due to vibration and pulsation of gas through the discharge line. To smooth out pulsations and reduce vibrations and noise, ***ITE* nv** offers the industry's most complete line of ***"M"* series** *DISCHARGE MUFFLERS*.
- *All MUFFLERS* may be mounted horizontally or vertically as long as instructions are followed (minimize "oil trap" risks).
- *MUFFLERS* through the **M-30** are of hydrogen copper brazed steel construction insuring maximum strength and cleanliness.
- **M-60** through **M-110** *MUFFLERS* are of hydrogen copper brazed and shielded arc welded construction.
- Complete and ready to use with **+183°C** (+362°F) safety fusible plug installed on **M-30** through **M-110** models.
- *"IN"* (inlet), *"OUT"* (outlet) and *"TOP"* marking for installation.
- *MUFFLERS* comply to latest **U.L., cU.L.** and **CSA** requirements.
- *MUFFLERS* are designed to eliminate pulsation in compressor discharge line running to remote condensers.
- *MUFFLERS* have internal baffles designed for minimum pressure drop. These baffles change the velocity of the discharge gas. This results in a dampening effect on high frequency sound waves in the gasses on high speed compressors. This also irons out the pulsating waves in low speed compressors.

PART NUMBER	CONNEC. (O.D.S.)	NOMINAL (U.S. TONS)	CAPACITY (kW)	EXT. DIAM.	OVERALL LENGTH (mm)	OVERALL LENGTH (inch)
M-02	3/8"	2	7	2"	190	7 7/16
M-03	1/2"	3	10.5	3"	190	7 7/16
M-05	5/8"	4	17.5	2"	190	7 7/16
M-10	7/8"	7.5 to 10	26 to 35	3"	230	9
M-15	1 1/8"	10 to 15	35 to 52	3"	240	9 1/4
M-20	1 3/8"	15 to 25	52 to 87	3"	350	13 3/4
M-30	1 5/8"	25 to 50	87 to 174	4"	410	16
M-60	2 1/8"	50 to 75	174 to 261	6"	670	26 1/2
M-80	2 5/8"	75 to 100	261 to 349	6"	710	28
M-110	3 1/8"	100 to 125	349 to 436	6"	920	36

NOTE: For the installation, respect *"IN", "OUT"* and *"TOP"* when marking

2. *"AM"* ADJUSTABLE MUFFLERS

AM-05

DESCRIPTION

- This original *ADJUSTABLE DISCHARGE MUFFLER* development permits ***"TUNING"*** the muffler to the system. For the first time, it is possible to change muffler characteristics without installing a different muffler or even breaking into the system.
- The ***"AM" series*** *ADJUSTABLE MUFFLER* may be adjusted without loosing charge and while the system is running. It is provided with a stem which may be turned to ***"TUNE"*** the muffler to the system.
- Two identical systems do not always sound the same. One may be noisy while the other is quiet. The *ADJUSTABLE MUFFLER* that ***ITE* nv** offers provides a variable range of characteristics so that, the performance with a particular system can be attained.
- All *ADJUSTABLE MUFFLERS* are ready to use with their safety fusible plug installed (**+183°C**) and are **U.L., cU.L.** and **CSA listed**.

PART NUMBER	CONNEC. (O.D.S.)	NOMINAL (U.S. TONS)	CAPACITY (kW)	EXT. DIAM.	OVERALL LENGTH (mm)	OVERALL LENGTH (inch)
AM-05	5/8"	2 to 5	7 to 17	4"	250	10"
AM-10	7/8"	5 to 10	17 to 35	4"	280	11"
AM-25	1 1/8"	10 to 25	35 to 87	4"	360	14 1/4"

Tel : +32 3 766 02 02
Fax: +32 3 766 10 67
ite-tools.com

3. *"DM"* SUCTION MUFFLERS

DM-1677	**MUFFLER 7/8" IDS x 7/8" ODS,**	16 to 18 Kw
DM-1678	**MUFFLER 1 1/8" IDS x 1 1/8" ODS,**	21 to 35 Kw
DM-1679	**MUFFLER 1 3/8" IDS x 1 3/8" ODS,**	26 to 44 Kw
DM-1676	**MUFFLER 1 1/8" IDS x 1 3/8" ODS,**	26 to 35 Kw

DESCRIPTION

- As ***ITE nv*** is always ***"MARKET"*** and ***"SERVICE"*** oriented, we are pleased to offer you a ***"NEW"*** line of *SUCTION MUFFLERS.*
- These ***"DM" series*** *SUCTION MUFFLERS* smooth out suction pulsations resulting in reduced system noise when installed at the compressor on the suction side.
- They are of hydrogen copper brazed steel construction for maximum strength and complete cleanliness with copper nipples (one **I.D.S.** male connection at the inlet and one **O.D.S.** demale connection at the outlet) for easy installation in the "line" or in the "field".
- All are **U.L., cU.L.** and **CSA listed**.
- Length: **156 mm** (6 1/8")

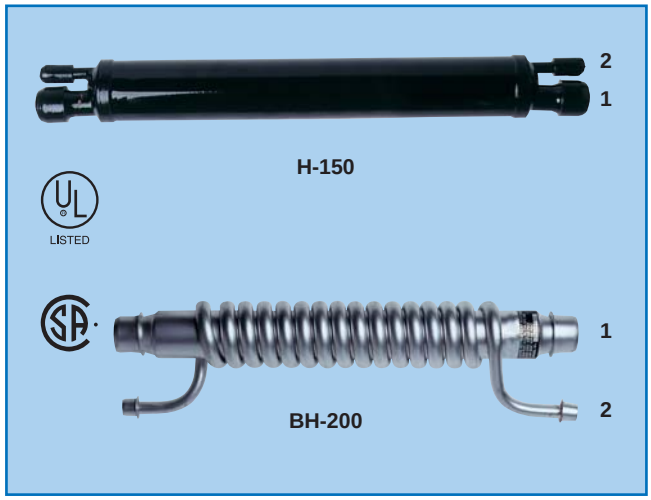
DM-1677

HEAT EXCHANGERS

"SUCTION COOLED APPLICATIONS"
& SUBCOOLING HEAT TRANSFERS"

DESCRIPTION

- *"BLUE RIBBON"* and *"DE LUXE" HEAT EXCHANGERS* are particularly suited for cooled compressor applications. They are of all copper construction and incorporate a special expansion process providing positive contact between tube and body (plus an efficient helicoidal counter flow).
- Fittings are sized for your standard units from **1/4** through **10 hp** eliminating the need for adapter fittings.
- ***"BH" series*** *"BLUE RIBBON"* offer quality and high efficiency at low competitive prices. All are **U.L. listed**.



H-150

BH-200

1. *"BLUE"* HEAT EXCHANGERS

PART NUMBER	CONNECTIONS suction (1) x liquid (2)	H.P.	OVERALL LENGTH (mm)	OVERALL LENGTH (inch)	SHELL DIAM.
BH-33	**3/8" ODS x 1/4" ODS**	1/3	200	8"	22 mm
BH-50	**1/2" ODS x 1/4" ODS**	1/2	280	11"	22 mm
BH-100	**5/8" ODS x 3/8" ODS**	1	380	15"	22 mm
BH-150	**7/8" ODS x 3/8" ODS**	1.5	280	11"	35 mm
BH-200	**7/8" ODS x 3/8" ODS**	2	330	13"	35 mm
BH-300	**1 1/8" ODS x 1/2" ODS**	3	380	15"	35 mm
BH-500	**1 1/8" ODS x 1/2" ODS**	5	380	15"	51 mm
BH-750	**1 5/8" ODS x 5/8" ODS**	7.5	380	15"	51 mm
BH-1000	**1 5/8" ODS x 5/8" ODS**	10	460	18"	51 mm

2. *"DE LUXE"* HEAT EXCHANGERS

PART NUMBER	CONNECTIONS suction (1) x liquid (2)	H.P.	OVERALL LENGTH (mm)	OVERALL LENGTH (inch)	SHELL DIAM.
H-75	**5/8" ODS x 1/4" ODS**	3/4	310	12 1/8"	51 mm
H-100	**5/8" ODS x 3/8" ODS**	1	330	13 1/8"	51 mm
H-150	**7/8" ODS x 3/8" ODS**	1.5	440	17 3/8"	51 mm
H-200	**7/8" ODS x 3/8" ODS**	2	340	13 1/4"	77 mm
H-300	**1 1/8" ODS x 3/8" ODS**	3	390	15 1/4"	77 mm
H-750	**1 5/8" ODS x 5/8" ODS**	7.5	400	15 5/8"	130 mm

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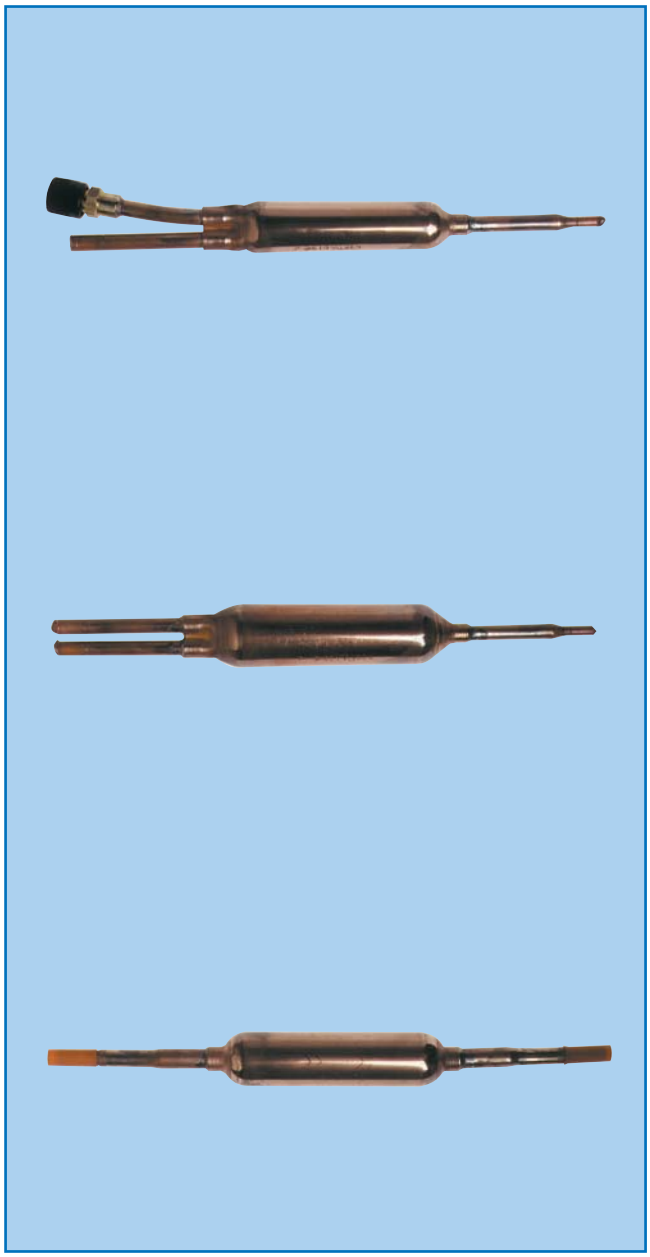


"HI" SPUN COPPER SERVICE DRIERS

"100% MOLECULAR SIEVE BEADS"

DESCRIPTION

- All copper construction for corrosion resistance.
- OEM's standard tested and 100% molecular sieve beads.
- ***IMPORTANT:*** Make the difference... This is a real *OEM's* service drier with heavy duty *SCREEN* (**104 micron**) for maximum contaminant pick-up and full *SAFETY*.
- Available in a variety of inlet and outlet sizes.
- Tubes easily cut, swaged, flared or bend on the job.
- Grooved ends permit easy break-off to activate drier.

INSTALLATION

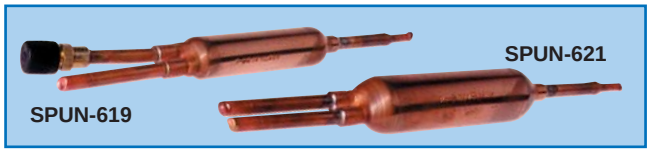
- Being professional and when installing a drier, position it vertically with the flow in a downward direction. If installed horizontally, angle the outlet end downward (this allows our outlet ***SCREEN*** to fully filter contaminants and insure a better secure liquid seal at the inlet).
- Use our capacity tables below (for each drier) to determine adequate drier capacity. This guideline will allow you to obtain a correct drier selection and make your specific system unit ***COMPLETELY FREE*** of moisture and freeze-up accident.

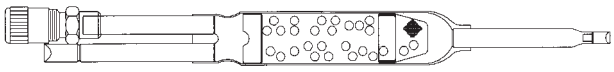
SPECIFICATIONS

- Suitable for all **CFC, HCFC, HFC** and their specific lubricant.
- **U.L. listed** (SA-8570) and **CSA listed** (LR-87950).
- We can also offer assistance for your specific OEM's requirements and quantity needs.
- Working pressure: **35 bar** (500 Psi)

1. *"CHARGE-0-VALVE" DRIERS*

- ***Refrigeration capacities shown in kW (1kW = 0.284 US TON of refrigeration)***
- ***Water absorption shown in drop (1 gram of water =*** *1 cm^3 (cubic centimetre) = 20 drops of water****)***
- ***For evacuating and charging refrigeration systems not originally equipped with high side access valve***





PART NUMBER	INLET TUBE (inch)	OUTLET TUBE CAPPILLARY (inch)	Ø (mm)	LENGTH (mm)	CAP XH-9	CAPACITY (in drops of water)						REFRIGERATION CAPACITY (kW)	
						R12		R22		R134a			
						24°C	52°C	24°C	52°C	24°C	52°C	R12 & R134a	R22
SPUN-619	1/4"OD x 3/16"ID	.089/.092	19.1	226	10 gr.	37.2	35.2	34.0	32.4	32.0	30.0	1.17	1.76
SPUN-621	5/16"OD x 1/4"ID	.127/.130	25.4	228	20 gr.	74.4	70.4	68.0	64.8	64.0	60.0	3.52	7.03

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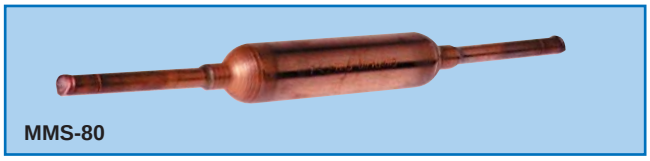
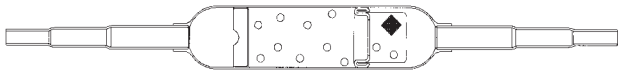
2. *"MOISTURE MAGNET" DRIERS*

- ***Refrigeration capacities shown in kW (1kW = 0.284 US TON of refrigeration)***
- ***Water absorption shown in drop (1 gram of water =** 1 cm³ (cubic centimetre) = 20 drops of water**)***
- ***Special for refrigerators, freezers, small commercial units and air conditioners***
- ***IMPORTANT NOTE: The MMS-80 is non directional (can be installed in either direction)***


MMS-80

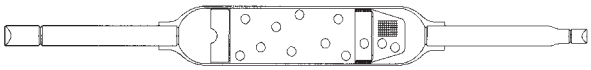


PART NUMBER	INLET TUBE (inch)	OUTLET TUBE (inch)	Ø (mm)	LENGTH (mm)	CAP XH-9	CAPACITY (in drops of water)						REFRIGERATION CAPACITY (kW)	
						R12		R22		R134a			
						24°C	52°C	24°C	52°C	24°C	52°C	R12 & R134a	R22
MMS-80	1/4"OD x 3/16"ID 1/4"OD x 3/16"ID	1/4"OD x 3/16"ID 1/4"OD x 3/16"ID	19.1	188	10 gr.	37.2	35.2	34.0	32.4	32.0	30.0	1.17	1.76
MMS-200	5/16"OD x 1/4"ID 3/8"OD x 5/16"ID	5/16"OD x 1/4"ID 3/8"OD x 5/16"ID	25.4	267	20 gr.	74.4	70.4	68.0	64.8	64.0	60.0	2.63	3.52

3. *"LITTLE GIANT" DRIERS*

- ***Refrigeration capacities shown in kW (1kW = 0.284 US TON of refrigeration)***
- ***Water absorption shown in drop (1 gram of water** = 1 cm³ (cubic centimetre) = 20 drops of water**)***
- ***General purpose drier for field service work with a capillary size tube outlet***


LG-712

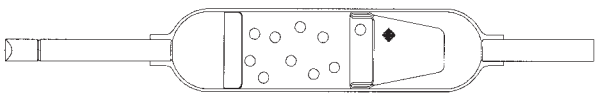


PART NUMBER	INLET TUBE (inch)	OUTLET TUBE CAPILLARY (inch)	Ø (mm)	LENGTH (mm)	CAP XH-9	CAPACITY (in drops of water)						REFRIGERATION CAPACITY (kW)	
						R12		R22		R134a			
						24°C	52°C	24°C	52°C	24°C	52°C	R12 & R134a	R22
LG-712	1/4"OD x 3/16"ID	.089 x .092	19.1	216	10 gr.	37.2	35.2	34.0	32.4	32.0	30.0	1.17	1.76

4. *"HERCULES" DRIERS*

- ***Refrigeration capacities shown in kW (1kW = 0.284 US TON of refrigeration)***
- ***Water absorption shown in drop (1 gram of water** = 1 cm³ (cubic centimetre) = 20 drops of water**)***
- ***Used for air conditioners, large freezers and food cases (39 cm²** (6 sq. inch) **dual SCREEN)***


HER-319



PART NUMBER	INLET TUBE (inch)	OUTLET TUBE (inch)	Ø (mm)	LENGTH (mm)	CAP XH-9	CAPACITY (in drops of water)						REFRIGERATION CAPACITY (kW)	
						R12		R22		R134a			
						24°C	52°C	24°C	52°C	24°C	52°C	R12 & R134a	R22
HER-319	5/16"OD	.127 x .130	30.2	247.7	30 gr.	111.6	105.6	102.0	97.2	96.0	91.0	3.52	7.04

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US-164

LIQUID FILTER - DRIERS

"THE ORIGINAL 3 CLASSIC FUNCTIONS"

FEATURES

- The **US series** is a revolutionary design that uses a combination of a solid core, **XH-9** beaded Molecular Sieve desiccant or similar and activated aluminium. This gives a very high mechanical strength unit to provide an outstanding filtering capability, high moisture absorption and high organic and inorganic acid removal.

SPECIFICATIONS

- For **R12, R22, R502, R134a, R404A, R407C, R507**, etc... and all **CFC, HCFC & HFC** with their specific lubricants.
- System filtration down to **5 microns**.
- Nickel plated **"SAE flare"** and solid copper **"ODS"** fittings.
- Steel shell and corrosion resistant paint. Shock resistant.
- **U.L. listed** (n° SA-7175) and **CSA listed** (n° LR-100624).
- Safe working pressure: **35 bar** (500 Psi).
- Minimum burst pressure: **175 bar** (2500 Psi).

LIQUID SELECTION - CAPACITY TABLE - ORDERING

CAPACITIES SHOWN IN kW (1kW = 860 Fg/h = 0.284 US TON of refrigeration)

PART NUMBER		CONN. DIAM.	FILTER SURFACE (cm²)	DIMENSIONS (mm)			RECOMMEND. CAPACITIES (1) not overrated (in kW)		SPECIFICATIONS ACCORDING ARI-STD (not overrated)									
									WATER RETENTION (grams)						FLOW CAPACITY (in kW)			
				BODY Ø	LENGTHS		R12 R502	R134a R22	R12, R502 (15 PPM)		R22 (60 PPM)		R134a (150 PPM)		Under pressure drop of 0,14 kg/cm² (2 Psi)			
FLARE	O.D.S.				FLARE	O.D.S.			24°C	52°C	24°C	52°C	24°C	52°C	R12	R22	R502	R134a
US-032	US-032-S	1/4"	66	41	110	95	2,7	3,6	2,3	1,7	1,6	1,0	1,9	1,8	8,1	10,6	7,1	10,6
US-052 US-053	US-053-S	1/4" 3/8"	104	64	124 132	110 115	3,6 3,6	3,6 3,6	4,6	3,3	3,1	2,0	4,9	4,7	8,1 14,1	10,1 18,3	7,1 12,3	10,1 18,0
US-082 US-083 US-084	US-082-S US-083-S	1/4" 3/8" 1/2"	144	64	147 155 161	133 138 129	3,6 7,1 7,1	7,1 7,1 7,1	7,8	5,6	5,4	3,4	6,3	6,0	9,5 18,7 28,9	12,3 24,0 37,3	8,5 16,6 25,4	12,3 23,7 37,0
US-162 US-163 US-164 US-165	US-163-S US-164-S US-165-S	3/8" 1/2" 5/8"	206	64	167 175 181 191	158 159 166	7,1 11,0 15,0 18,0	7,1 11,0 15,0 18,0	14,2	10,1	9,6	6,1	11,3	10,7	9,5 19,4 30,6 38,7	12,3 25,0 39,4 50,0	8,5 16,9 27,1 34,1	12,0 24,0 37,9 48,1
US-303 US-304 US-305	US-304-S US-305-S US-307-S	1/2" 5/8" 7/8"	364	76	243 249 259	227 234 249	15,0 27,0 36,0 36,0	18,0 27,0 36,0 53,0	24,6	17,6	16,8	10,6	22,8	21,6	20,4 41,5 53,8 87,6	26,4 53,5 69,3 113,0	18,0 36,6 47,5 75,6	25,0 51,4 66,6 108,6
US-414 US-415	US-414-S US-415-S US-417-S US-419-S	1/2" 5/8" 7/8" 1 1/8"	446	89	252 262	230 237 252 252	36,0 36,0 53,0 53,0	36,0 53,0 71,0 71,0	35,6	25,3	24,1	15,3	33,4	31,7	42,6 56,3 91,1 110,0	54,9 72,5 118,0 141,0	37,3 49,6 80,2 96,0	52,4 69,3 113,3 135,3

REMARKS:

- **(1)** The above recommended capacities reflect field replacement or installation.
  Lab conditions would give approx doubles values.
- For **R404A** and **R507** apply **0.70** coëfficient to the **R134a** values of flow capacity (in kW).
- For **R500** and **R502** use the **R12** values of flow capacity (in kW).
- **1 gram of water** = 1 cm³ (cubic centimetre) = 20 drops of water.
- Corresponding above temperatures: **24°C = 75°F** and **52°C = 125°F**. (Also: 1cm² = 0.155 square Inch).

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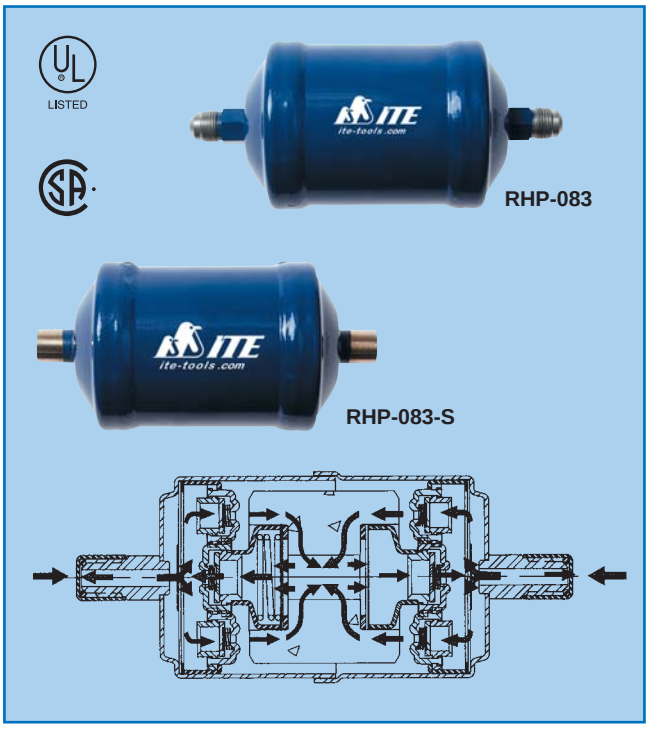
REVERSIBLE *"HEAT-PUMP"* FILTER-DRIERS

"THE BI-DIRECTIONAL FLOW SOLID CORE"



FEATURES

- For use in HEAT PUMP or REVERSIBLE cycle applications, ***RPH HEAT PUMP DRIERS series*** are designed to function in both directions of flow in the reversing liquid line.
- Proven nylon internal CHECK-VALVE filtering in both ways.
- Solid block desiccant core with high organic and inorganic ACID REMOVAL (activated alumina) and High MOISTURE REMOVAL (molecular sieve).
- The addition of activated charcoal to the desiccant core allows for the REMOVAL of WAX that may occur at low temperatures, giving protection to your expansion device.

SPECIFICATIONS

- For **R12, R22, R502, R134a, R404A, R407C, R507**, etc... and all **CFC, HCFC & HFC** with their specific lubricants.
- Nickel plated **"SAE flare"** and solid copper **"ODS"** fittings.
- Steel shell and corrosion resistant paint. Shock resistant.
- System filtration down to **10 microns.**
- **U.L. listed** (n° SA-7175) and **CSA listed** (n° LR-100624).
- Safe working pressure: **35 bar** (500 Psi).
- Minimum burst pressure: **175 bar** (2500 Psi).

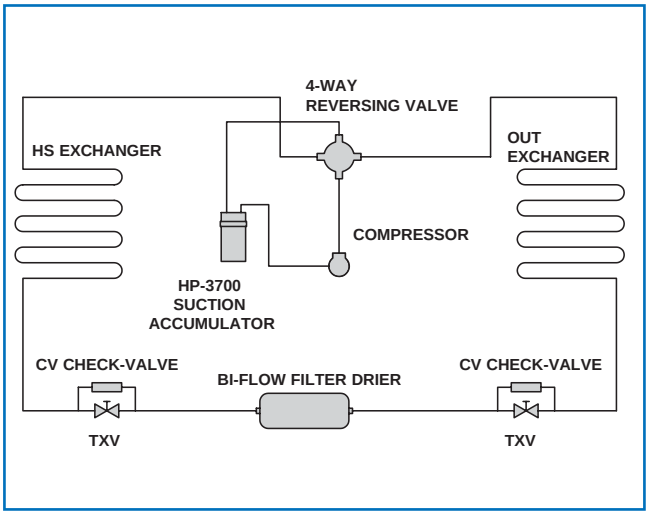
LIQUID SELECTION - CAPACITY TABLE - ORDERING

CAPACITIES SHOWN IN kW (1kW = 860 Fg/h = 0.284 US TON of refrigeration)

PART NUMBER		CONN. DIAM. (inch)	FILTER SURFACE (cm^2)	DIMENSIONS (mm)			RECOMMEND. CAPACITIES (1) not overrated (in kW)	SPECIFICATIONS ACCORDING ARI-STD (not overrated)					
								WATER RETENTION (gram)				FLOW CAPACITY (in kW)	
				BODY Ø	LENGTHS		R134a R22	R22 (60 PPM)		R134a (150 PPM)		Under pressure drop of 0,14 kg/cm^2 (2 Psi)	
FLARE	O.D.S.				FLARE	O.D.S.		24°C	52°C	24°C	52°C	R22	R134a
RHP-083	RHP-082-S	1/4"	94	67	160	138	7,5	5,4	3,4	6,3	6,0	12,3	12,3
	RHP-083-S	3/8"				143						24,0	23,7
	RHP-084-S	1/2"			166	144						37,3	37,0
RHP-163	RHP-163-S	3/8"	210	78	177	160	11,0	9,6	6,1	11,3	10,7	25,0	24,0
RHP-164	RHP-164-S	1/2"			183	161	15,0					39,4	37,9
RHP-165	RHP-165-S	5/8"			193	168	18,0					50,0	48,1

REMARKS

- **(1)** The above recommended capacities reflect field replacement or installation. Lab conditions would give approx double values.
- For **R404A** and **R507** apply **0.70** coefficient to the **R134a** values.
- For **R500** and **R502** use the **R12** values.
- **1 gram of water** = 1 cm^3 = 20 drops of water.
- Corresponding above temperatures: **24°C/75°F** and **52°C/125°F**. (Also: **1cm^2 = 0.155 Square Inch**).
- ***RPH REVERSIBLE HEAT PUMP DRIERS*** may be installed in any position.
- In case of *"BURN OUT"* compressor (heat pump unit), do the following:
  - Remove all existing filters and driers.
  - Test a sample of oil from the compressor (see ***"acid test kits"*** procedure), page 191.
  - Clean the system if necessary and change the oil charge.
  - Install a new ***RHP reversible heat pump drier***.
  - Install an ***SSL suction filter-drier*** in addition to the liquid line drier.
  - Check again compressor oil and the moisture indicator during the week after.



SSL-084S

SUCTION LINE FILTER-DRIERS

"LOW PRESSURE DROP SOLID CORE"

SUCTION FILTERS AFTER A *"COMPRESSOR BURNOUT"*

FEATURES

- ***SSL series suction line filter-driers*** are designed to clean up refrigerant systems to prevent, or be used after, a ***compressor burnout***.
- It removes solid ***contaminants***, harmful ***organic*** and ***inorganic acids*** as well as providing ***dirt filtering*** after motor burn out replacements. Also, it will collect and hold any dirt and sludge that is in the suction line and the Evaporator at start up. Ideal in remote system installation with long refrigerant lines. Any "professional field built-up" system needs this kind of protection.
- The ***SSL series*** are equipped with an access valve on ***each end*** for true and accurate pressure drop readings across the drier.
- An inlet deflector spreads the gas flow even across the molded core to provide full filtration capacity and to prevent core's erosion.

INSTALLATION

- ***SSL series suction line filter-driers*** may be installed in any position in the suction line, as close to the compressor as possible and ahead of the suction accumulator if any.
- In low temperature applications, **SSL** driers should be installed in a vertical position (flow in a downward direction) to prevent oil accumulation.

SPECIFICATIONS

- For **R12, R22, R502, R134a, R404A, R407C, R507**, etc... and all **CFC, HCFC & HFC** with their specific lubricants.
- **Important:** Capacities rated in accordance with **ARI std 730-86**.
- Nickel plated **"SAE flare"** and solid copper **"ODS"** fittings.
- Dual Access Valves for true and accurate pressure drop readings.
- Steel shell and corrosion resistant paint. Shock resistant.
- **U.L. listed** (n° SA-7175) and **CSA listed** (n° LR-100624).
- System filtration down to **10 microns**.
- Maximum temperature rating: **107°C** (225°F).
- Safe working pressure: **35 bar** (500 Psi).
- Minimum burst pressure: **175 bar** (2500 Psi).

PART NUMBER		CONN. DIAM.	DESICCANT VOLUME (cm^3)	DIMENSIONS (in mm)		
				Ø	LENGTHS	
FLARE	O.D.S.				FLARE	O.D.S.
SSL-083		3/8"	131		155	138
SSL-084	SSL-084-S	1/2"	131		161	139
SSL-165	SSL-165-S	5/8"	262		191	166
	SSL-166-S	3/4"	262			177
	SSL-307-S	7/8"	492			249
	SSL-419-S	1 1/8"	672	89		252
	SSL-4811-S	1 3/8"	787			266
	SSL-4813-S	1 5/8"	787	114		265

NOTE: To obtain cubic Inch, divide cm^3 by ***16.38*** *coefficient divisor*
EXAMPLE: 131 cm^3 / ***16.38*** = 8 cubic inch

TABLE 1: CAPACITY SUCTION LINE SELECTION AFTER A *"COMPRESSOR BURNOUT"*

CAPACITIES SHOWN IN kW (1 kW = 860 Fg/h = 0,284 US TON of refrigeration)

REFRIGERANTS			R12				R22				R502				R134a			
EVAPORATING TEMPERATURE (°C)			-30°	-18°	-7°	+5°	-30°	-18°	-7°	+5°	-30°	-18°	-7°	+5°	-30°	-18°	-7°	+5°
PRESSURE DROP in bar (Psi)			0,04 (0.5)	0,07 (1.0)	0,10 (1.5)	0,14 (2.0)	0,07 (1.0)	0,10 (1.5)	0,14 (2.0)	0,21 (3.0)	0,07 (1.0)	0,10 (1.5)	0,14 (2.0)	0,21 (3.0)	0,04 (0.5)	0,07 (1.0)	0,10 (1.5)	0,14 (2.0)
PART NUMBER		CONN. DIAM.																
FLARE	O.D.S.																	
SSL-083		3/8"	0.7	1.1	2.1	2.4	1.1	1.4	2.1	3.2	0.8	1.4	2.0	3.5	0.3	0.7	1.4	2.1
SSL-084	SSL-084-S	1/2"	1.5	2.4	3.9	4.9	2.2	3.6	5.1	8.8	1.9	3.1	3.3	7.0	1.0	2.2	3.5	5.3
SSL-165	SSL-165-S	5/8"	1.7	2.8	4.6	6.5	3.5	5.2	7.7	11	2.6	4.2	6.0	10	1.5	3.1	5.0	7.5
	SSL-166-S	3/4"	2.6	5.2	7.0	10	5.2	8.7	12	17	3.1	4.5	7.7	12	2.1	3.8	6.3	9.1
	SSL-307-S	7/8"	2.8	4.9	7.7	12	6.0	9.1	14	21	4.5	7.3	10	17	2.8	5.6	8.8	13
	SSL-419-S	1 1/8"	2.8	4.2	13	16	8.4	13	19	30	6.6	10	15	24	4.2	7.7	12	19
	SSL-4811-S	1 3/8"	4.9	9.8	15	23	12	18	27	42	9.1	14	22	34	5.6	10	18	26
	SSL-4813-S	1 5/8"	6.0	10	16	26	13	20	30	46	9.8	16	24	37	6.3	12	19	30

REMARKS:
- The above recommended capacities fairly reflect field replacement or installation.
- Lab conditions would give approximate double values.
- Rating in accordance with **ARI standard 730-86**.
- Above corresponding evaporating temperatures: (**-30°C** = -20°F) (**-18°C** = 0°F) (**-7°C** = +20°F) (**+5°C** = +40°F).
- Above corresponding press. drop: (**0,04 bar** = 0.5 Psi) (**0,07 bar** = 1 Psi) (**0,10 bar** = 1.5 Psi) (**0,14 bar** = 2 Psi)(**0,21 bar** = 3 Psi).

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COMPACT SUCTION LINE FILTER-DRIERS

"LOW PRESSURE DROP SOLID CORE"

FEATURES

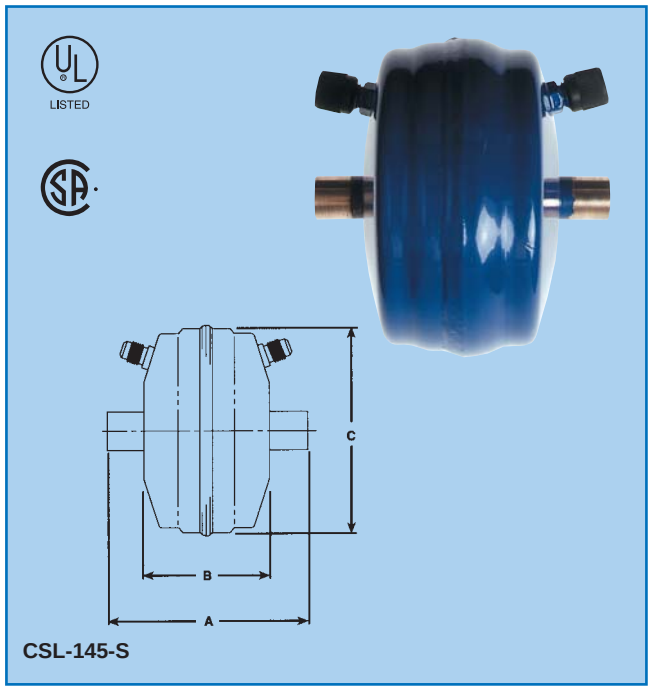
- ***CSL series suction line filter-driers*** are designed to clean up your refrigerant system to prevent, or be used after, a compressor burnout.
- It removes solid contaminants and harmful organic and inorganic acids as well as providing a full dirt filtering and motor burnout applications. Ideal in remote system installation with long refrigerant lines. Any field built-up system needs this kind of protection.
- The ***CSL series*** are equipped with an access valve on each end for accurate pressure drop readings across the drier.
- An inlet deflector spreads the refrigerant flow evenly across the molded core to provide full filtration capacity and to prevent erosion of the core. It is compact and ideal for limited room installation. Placed between the reversing valve (heat pump unit) and the compressor, it is also ideal to protect the reversible system.

INSTALLATION

- The ***CSL series suction line filter-driers*** may be installed in any position in the suction line, as close to the compressor as possible and ahead of the suction line accumulator if any.
- In low temperature applications, the ***CSL*** drier should be installed in a vertical position with the flow in a downward direction to prevent oil accumulation.

SPECIFICATIONS

- For **R12, R22, R502, R134a, R404A, R407C, R507**, etc... and all **CFC, HCFC & HFC** with their specific lubricants.
- Solid copper **"ODS"** fittings. Shock resistant.
- Steel shell and corrosion resistant paint (5 years).
- Dual access valve for pressure drop reading.
- **U.L. listed** (n° SA-7175) and **CSA listed** (n° LR-100624).
- System filtration down to **10 microns**.
- Maximum temperature rating: **107°C** (225°F).
- Safe working pressure: **35 bar** (500 Psi).
- Minimum burst pressure: **175 bar** (2500 Psi).



CSL-145-S

PART NUMBER (O.D.S. CONNECTIONS)	CONN. DIAM.	DIMENSIONS (in mm)		
		(A)	(B)	(C)
CSL-144-S	1/2"	116	69	107
CSL-145-S	5/8"	116	69	114
CSL-146-S	3/4"	116	69	111
CSL-147-S	7/8"	116	69	116
CSL-149-S	1 1/8"	116	69	123

SUCTION LINE SELECTION - CAPACITY TABLE - ORDERING

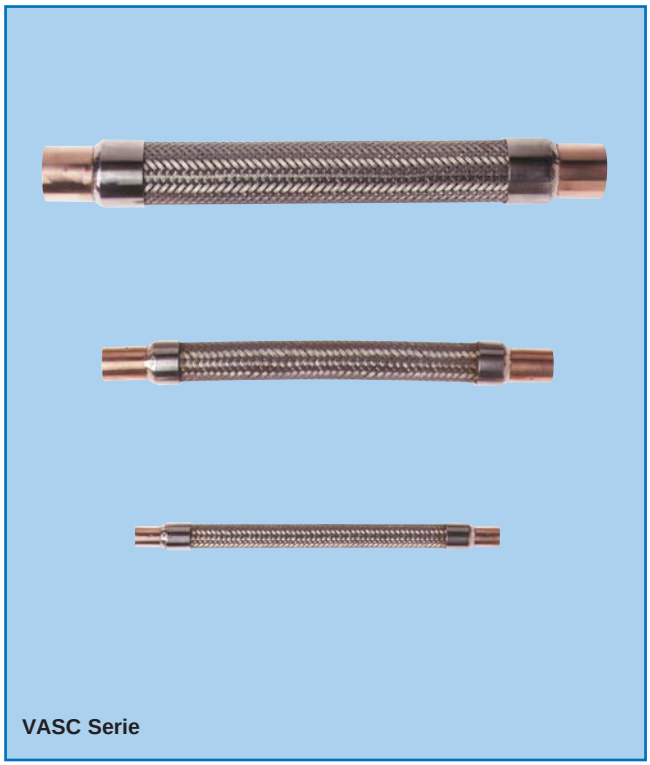
CAPACITIES SHOWN IN kW (1 kW = 860 Fg/h = 0,284 US TON of refrigeration)

REFRIGERANTS		R12				R22				R502			
EVAPORATING TEMPERATURE (°C)		-30°	-18°	-7°	+5°	-30°	-18°	-7°	+5°	-40°	-30°	-18°	-7°
PRESSURE DROP in bar (Psi)		0,04 (0,5)	0,07 (1,0)	0,10 (1,5)	0,14 (2,0)	0,07 (1,0)	0,10 (1,5)	0,14 (2,0)	0,21 (3,0)	0,04 (0,5)	0,07 (1,0)	0,10 (1,5)	0,14 (2,0)
PART NUMBER O.D.S. CONNECTIONS	CONN. DIAM.												
CSL-144-S	1/2"	0.70	1.41	2.46	3.86	2.11	3.16	4.57	7.03	0.70	1.41	2.46	3.52
CSL-145-S	5/8"	1.76	2.46	4.57	7.03	3.62	5.63	8.44	12.7	1.41	2.81	4.57	6.58
CSL-146-S	3/4"	2.11	3.52	6.83	9.49	4.92	7.74	11.3	17.8	2.11	3.87	5.98	9.14
CSL-147-S	7/8"	2.46	4.21	7.03	10.8	5.87	8.08	12.0	18.3	2.11	3.87	6.68	9.85
CSL-149-S	1 1/8"	2.81	5.63	9.14	13.7	7.03	10.9	16.2	24.6	2.81	5.87	8.79	13.0

REFRIGERANTS		R134a				R407C				R404A & R507			
EVAPORATING TEMPERATURE (°C)		-30°	-18°	-7°	+5°	-30°	-18°	-7°	+5°	-40°	-30°	-18°	-7°
PRESSURE DROP in bar (Psi)		0,04 (0,5)	0,07 (1,0)	0,10 (1,5)	0,14 (2,0)	0,07 (1,0)	0,10 (1,5)	0,14 (2,0)	0,21 (3,0)	0,04 (0,5)	0,07 (1,0)	0,10 (1,5)	0,14 (2,0)
PART NUMBER O.D.S. CONNECTIONS	CONN. DIAM.												
CSL-144-S	1/2"	1.05	1.76	3.16	4.57	1.76	2.81	4.23	6.68	0.70	1.05	1.76	2.81
CSL-145-S	5/8"	1.76	3.16	5.87	8.09	3.16	4.92	7.74	12.0	1.05	2.46	3.87	5.98
CSL-146-S	3/4"	2.46	4.57	7.38	10.9	4.21	7.03	10.6	16.5	1.76	3.16	5.87	8.09
CSL-147-S	7/8"	2.46	4.92	7.74	11.6	4.57	7.38	10.9	17.8	1.76	3.16	5.87	8.09
CSL-149-S	1 1/8"	3.52	6.33	10.6	15.8	5.98	9.85	14.8	23.2	2.46	4.57	7.03	10.9

REMARKS:

- The above recommended capacities reflect field replacement or installation. Lab conditions would give approximatively double values.
- Rating in accordance with **ARI standard 730-86.**
- Above corresponding evaporating temperatures: **(-40°C** =-40°F**)** **(-30°C** = -20°F) **(-18°C** = 0°F) **(-7°C** = +20°F) **(+5°C** = +40°F).
- Above corresponding press. drop: (**0,04 bar** = 0.5 Psi) (**0,07 bar** = 1 Psi) (**0,10 bar** = 1.5 Psi) (**0,14 bar** = 2 Psi)(**0,21 bar** = 3 Psi).
- Also: **1cm² = 0.155 square inch**).



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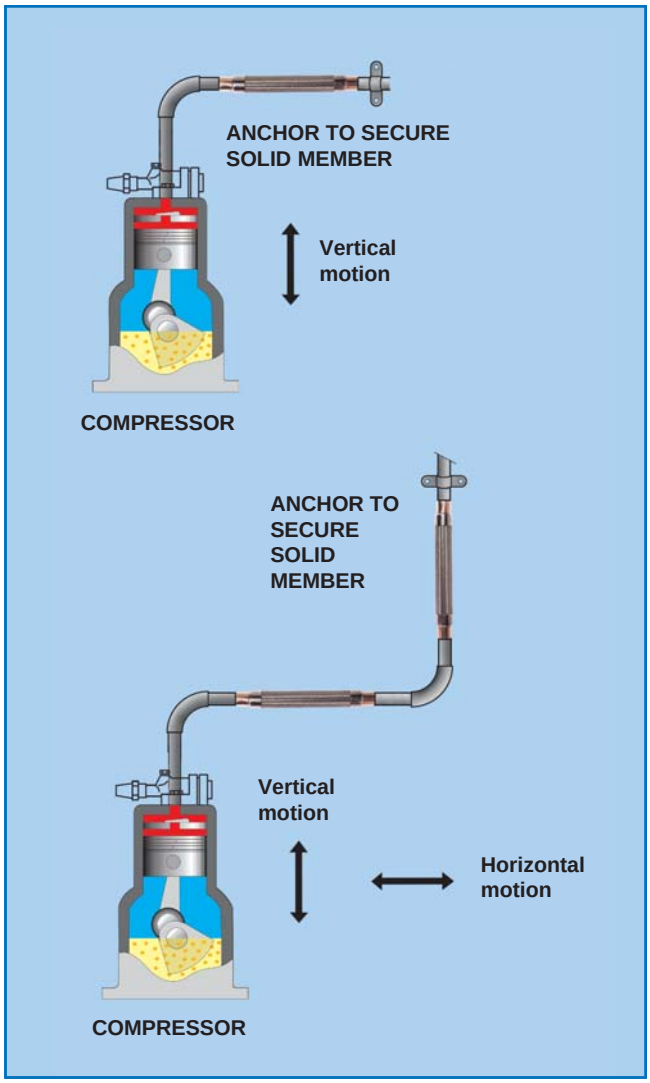

VIBRATION SHOCK MOUNT ABSORBERS

INSIDE CORRUGATED TUBE
STAINLESS STEEL type SUS 304.

WIRE BRAID
STAINLESS STEEL type SUS 304.

FERRULE
STAINLESS STEEL type SUS 304.

REFRIGERANTS
- All blended and **CFC**, **HCFC**, **HFC** and their lubricants.

TESTS
- **PED 97/23/EC**

ATTENTION
- A vibration absorber *IS NOT* a hose or a flexible compensator.
- Do not bend it before installation or at any time. Install it ***"in line"***. It does not eliminate any kind of unchecked vibrations but can damp residual vibrations uncontrolled first.

WHY A VIBRATION ABSORBER ?
Vibration absorbers are designed for installation in the suction and discharge line of air conditioning & refrigeration systems to dampen the transmission of compressor-indiced vibration (if not properly or totally eliminated first), through system piping.

WHERE AND HOW IT SHOULD BE INSTALLED ?
The vibration absorber functions best when installed as close to the compresssor as possible, and perpendicular to the major vibration direction as shown in illustration (horizontal and/or vertical motion). Two units could be eventually necessary.
DO NOT FORGET CORRECT ANCHOR INSTALLATION:
For optimum vibration absorption and safety, the refrigeration line should be anchored at the end of the unit furthest from the vibration source (see drawing).
Care should be taken to allow sufficient space avoiding static compression and/or tension after soldering.
"IN LINE INSTALLATION":
Unit should be installed in a straight line as **they are not intended to compensate for offset piping!**
NOTE: The torch soldering flame should always be directed away from the ferrules of the vibration absorber.

SPECIFICATIONS
- Vibration absorbers are manufactured of deep pitch corrugated tubing (see next page drawing) for vibration absorption covered by high tensile wire braid for superior strength. Tubing and braid are reinforced by ferrules at each end and are proof connected to female copper ODS fitting connections by high temperature electric oven braze alloys. The units are designed for making sweat, quick and easy connections to refrigerant piping.

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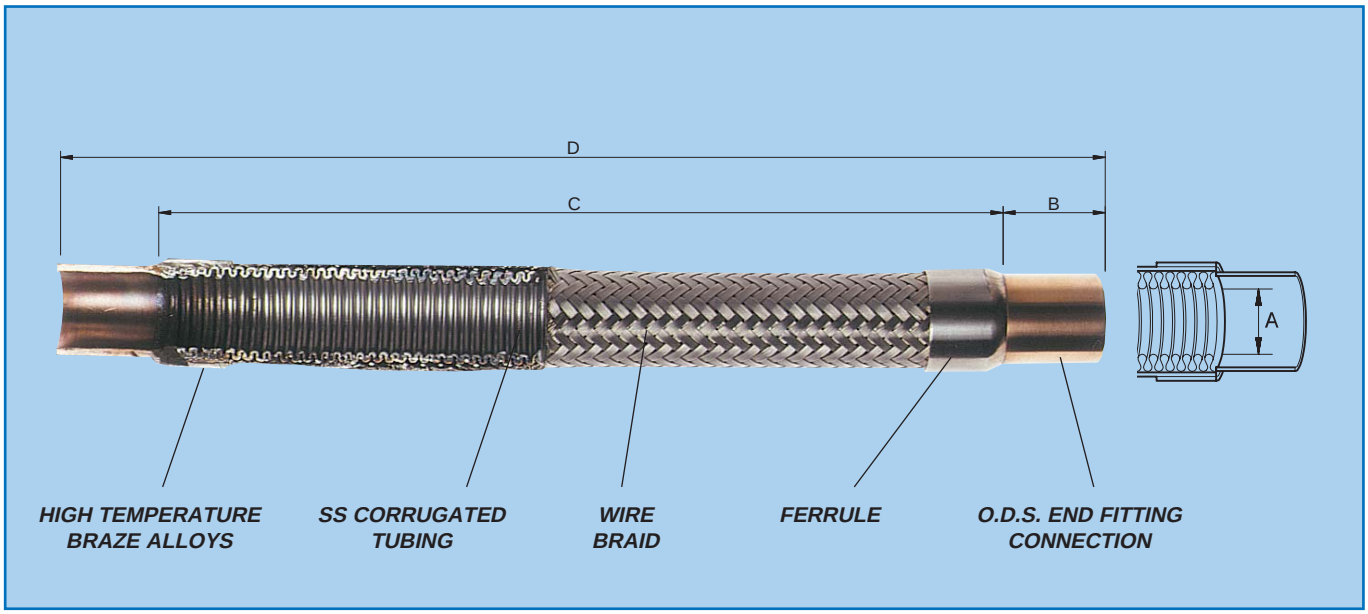


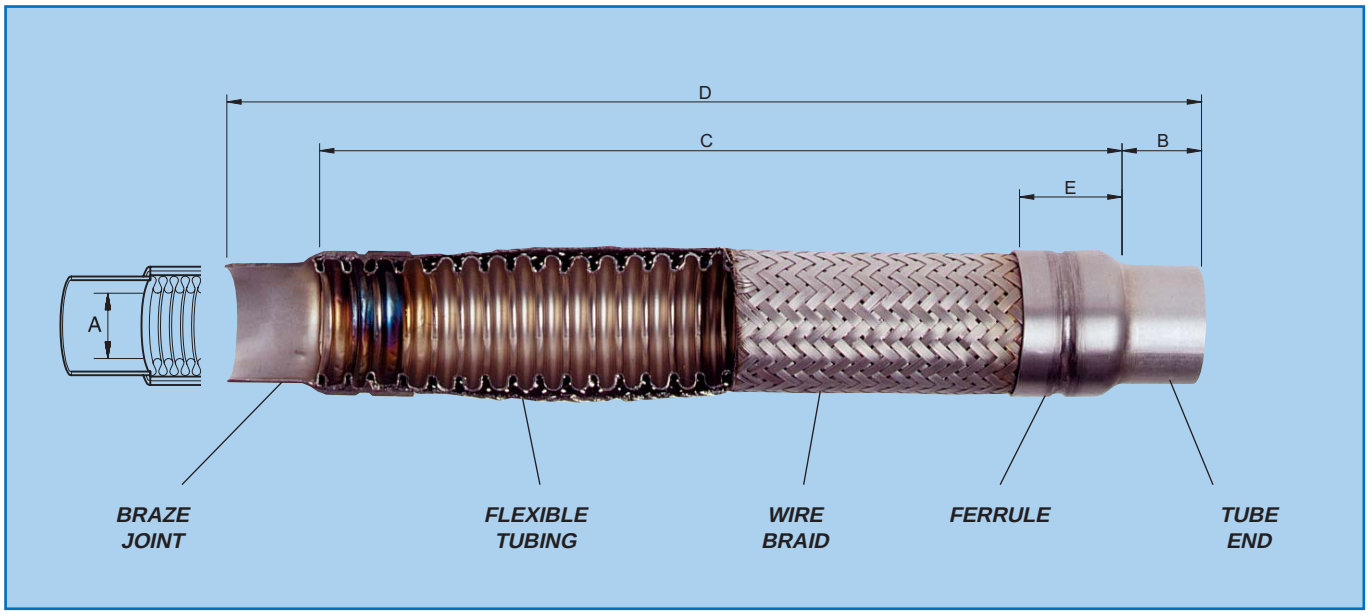
1. COPPER ENDS VERSION

PART NUMBER	END O.D.S. CONNECT (inch)	DIMENSIONS (mm)				Maximum working pressure (bar)
		A	B	C	D	
VASC-01	1/4"	6,50	15,90	146,00	177,80	35
VASC-02	1/4"	6,50	15,85	158,80	190,50	35
VASC-03	3/8"	9,62	15,87	177,80	209,60	35
VASC-04	1/2"	12,80	19,05	190,50	228,60	35
VASC-05	5/8"	16,20	22,22	203,20	247,60	35
VASC-06	3/4"	19,20	28,58	196,90	254,00	35
VASC-07	3/4"	19,20	28,57	228,60	285,70	35
VASC-08	7/8"	22,50	30,17	231,80	292,10	35
VASC-09	1 1/8"	28,80	33,35	263,50	330,20	35
VASC-10	1 3/8"	35,30	36,50	301,60	374,60	35
VASC-11	1 5/8"	41,70	47,63	336,60	431,80	35
VASC-82	2 1/8"	54,50	60,33	387,40	508,00	27
VASC-83	2 5/8"	67,00	76,20	457,20	609,60	24
VASC-84	3 1/8"	79,60	88,90	508,00	685,80	21
VASC-85	3 5/8"	92,50	101,60	482,60	685,80	12
VASC-86	4 1/8"	104,90	114,30	609,60	838,20	12

NOTE: **1 bar** = 14,5 Psi

PART NUMBER	END O.D.S. CONNECT (mm)	DIMENSIONS (mm)				Maximum working pressure (bar)
		A	B	C	D	
VASC-10 mm	10	10	6,0	178,0	210,0	35
VASC-12 mm	12	12	19,0	191,0	229,0	35
VASC-16 mm	16	16	22,5	203,0	248,0	35
VASC-18 mm	18	18	28,5	229,0	286,0	35
VASC-22 mm	22	22	30,0	232,0	292,0	35
VASC-28 mm	28	28	33,0	264,0	330,0	35
VASC-35 mm	35	35	36,5	302,0	375,0	35
VASC-42 mm	42	42	47,5	337,0	432,0	35
VASC-54 mm	54	54	60,5	387,0	508,0	27

NOTE: **1 bar** = 14,5 Psi



2. COMPLETE " *ITE* " STAINLESS STEEL VERSION

- TÜV approved upon request
- ASME approved

PART NUMBER	END O.D.S. CONNECT (inch)	DIMENSIONS (mm)					PRESSURES (bar)
		A	B	C	D	E	Maximum working
VAS-01	1/4"	6,20	8	140	170	17	35
VAS-03	3/8"	10,40	20	150	180	20	35
VAS-04	1/2"	12,40	20	160	200	23	35
VAS-05	5/8"	12,40	20	190	240	23	35
VAS-06	3/4"	15,40	20	210	260	25	35
VAS-08	7/8"	20,30	20	220	270	25	35
VAS-09	1 1/8"	25,40	22	215	275	28	35
VAS-10	1 3/8"	32,30	25	255	310	30	35
VAS-11	1 5/8"	40,20	26	280	350	30	35
VAS-82	2 1/8"	50,00	42	330	440	35	35
VAS-83	2 5/8"	64,90	50	405	540	40	30
VAS-84	3 1/8"	79,80	57	465	620	46	24
VAS-86	4 1/8"	99,50	67	540	720	53	20

PART NUMBER	END O.D.S. CONNECT (mm)	DIMENSIONS (mm)					PRESSURES (bar)
		A	B	C	D	E	Maximum working
VAS-10mm	10	10,40	20	150	180	20	35
VAS-12mm	12	12,40	20	160	200	23	35
VAS-16mm	16	12,40	20	190	240	23	35
VAS-18mm	18	15,40	20	210	260	25	35
VAS-22mm	22	20,30	20	220	270	25	35
VAS-28mm	28	25,40	22	215	275	28	35
VAS-35mm	35	32,30	25	255	310	30	35
VAS-42mm	42	40,20	26	280	350	30	35
VAS-54mm	54	50,00	42	330	440	35	35
VAS-70mm	70	64,90	50	405	540	40	30

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LIQUID (or SUCTION) 3 FUNCTION SHELLS

"UNIVERSAL FILTER-DRIER SHELLS"

DESCRIPTION

- For **R12, R22, R502, R134a, R404A, R407C, R507** and **other blends** with their specific oil and lubricant.
- For **R717** (NH_3 **ammonia**): steel connections only.
- These drier shells offer a complete protection and receive all our cores as well as other existing cores in the market.
- *NOTE:* **Steel corrosion** resistant finish for shells.
- *NOTE:* **3 function cores** not furnished with shells (see page 233)
- *NOTE:* **Copper fittings** AND **steel fittings** connections.
- *NOTE:* Also, drier shells can be supplied nickel plated finished (20 pieces minimum) to replace brass shell applications (supermarkets, breweries, chemical plants, etc...)
- *NOTE:* All our shells (or others) can be fitted in minutes with the unique **QUICK-CAP COVER**. See below.
- Std. flange cover is made with allied aluminium and bolted with steel bolts (std liquid line) or stainless steel bolts (for suction).
- Cover receives all std. 1/4" male flare SAE fittings or valves.

LIQUID or SUCTION LINE SELECTION & INSTALLATION

- *For LIQUID LINE:* Shells may be installed in any position. Best if installed as close as possible to any expansion device. Best if installed upstream solenoid valves (for protection) and moisture indicator (for permanent readings of cores efficiency).
- *For SUCTION LINE:* Best if installed as close as possible to the compressor but upstream of the accumulator, if any.
- For *EASY CORE REPLACING:* Allow a minimum of 25 cm (10 inch) free space above the flange cover. Screw in a suitable 1/4" male flare "schrader valve" and surround or by-pass the shell with proper hand-valves (see page 110).

SPECIFICATIONS

- Our drier shells receive **824, 848** and **810** cores (24, 48 and 100 **std cubic inch cores**. (So, 24, 48 and 100 cu inch replaceable core shells are only shown in this catalogue but 42 cu inch shells can also be supplied on 20 mixed pieces request).
- **U.L. listed** (file SA-7175) . **CSA listed** (file LR-100624)
- Maximum working pressure: **35 bar** (500 Psi).
- Burst pressure: **175 bar** (2500 Psi).
- Maximum temperature rating: **135°C** (275°F).

KIT	SPARE PART DESIGNATION KITS
BLT-024	SET of 8 std. bolts for 3" shells
BLT-048	SET of 8 std. bolts for 4 3/4" shells
BLT-100	SET of 8 std. bolts for 6" shells
SBLT-024	SET of 8 stainless steel bolts for 3" shells
SBLT-048	SET of 8 stainless steel bolts for 4 3/4" shells
SBLT-100	SET of 8 stainless steel bolts for 6" shells
GSK-024	Heavy duty gasket only for 3" shell cover
GSK-048	Heavy duty gasket only for 4 3/4" shell cover
GSK-100	Heavy duty gasket only for 6" shell cover
COV-024	Molded aluminum cover for 3" shells
COV-048	Molded aluminum cover for 4 3/4" shells
COV-100	Molded aluminum cover for 6" shells
INT-024	Internal part KIT for US-245 through US-249
INT-300	Internal part KIT for US-30013 through US-30021
INT-400	Internal part KIT for US-40017 through US-40025

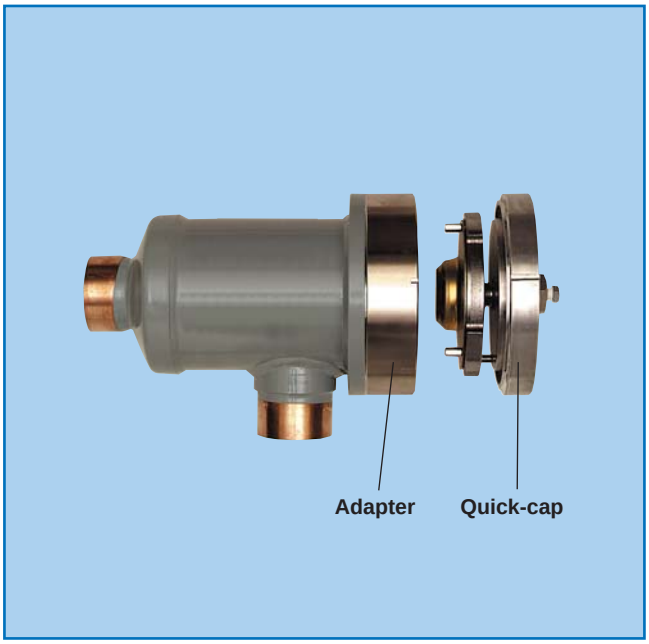
QUICK-CAP ADAPTER

"REPLACES ALL FLANGE COVERS"

DESCRIPTION

- Now, our **NEW UNIVERSAL QUICK-CAP** can be adapted on all existing shells by using their existing flange bolt threaded holes. Then, the new **QUICK-CAP** will permit you to open and close the shell in a few seconds by turning the one quarter turn centre bolt.
- To close it: Place cover on the shell and rotate until alignment marks meet. Turn the centre bolt to hand tight then, tighten one full turn (**3.5** to **4 kg-m** or 25 to 30 ft-lbs if torque wrench used)
- Patented and leakproof *"that's all that is to it"* device. Dramatically save your service time and be *"professional"*.

PART NUMBER	QUICK-CAP USAGES	SHELL DIAM. (inches)	CORE TYPES (Cubic inches)
QC-48-3/4	Standard 4 3/4"	4 3/4"	48 cu inch



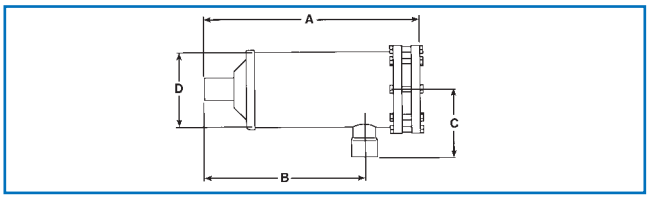


TABLE 1: CAPACITY LIQUID LINE SELECTION & ORDERING

CAPACITIES SHOWN IN kW (1 kW = 860 Fg/h = 0.284 US TON of refrigeration)

PART NUMBER	CONNECT. O.D.S. (SW:STEEL)	RECOMMENDED CAPACITY (kW)		FLOW CAPACITY (kW)		CORES (REF. & DATA)				DIMENSIONS (cm)			
		R12 R502	R22 R134a	R12 R502	R22 R134a	QTY	PART NR. 24,48,100 cubic inch	VOLUME cm^3 (cu. in)	SURFACE cm^2 (sq. in)	A	B	C	D
US-485	**5/8"**	35	50	60	80	**1**	**US-848-C**	786 (48)	413 (64)	23	16	8	12
US-487	**7/8"**	35	50	130	170	**1**	or	786 (48)	413 (64)	24	16	9	12
US-489	**1 1/8"**	50	55	200	260	**1**	**US-848-CM**	786 (48)	413 (64)	24	16	9	12
US-9613	**1 5/8"**	105	140	355	455	**2**	or **US-848-CC**	1571 (96)	826 (128)	38	30	10	12
US-14413	**1 5/8"**	175	210	365	475	**3**	or	2357 (144)	1239 (192)	53	45	10	12
US-14417	**2 1/8"**	175	210	505	650	**3**	**US-848-F**	2357 (144)	1239 (192)	53	45	10	12
US-30013	**1 5/8"**	350	430	390	500	**3**	**US-810-CM**	4910 (300)	1897 (294)	70	60	13	16
US-30021	**2 5/8"**	350	430	685	885	**3**	or	4910 (300)	1897 (294)	72	63	16	16
US-40017	**2 1/8"**	475	580	550	710	**4**	**US-810-CC**	6457 (400)	2529 (392)	86	77	13	16
US-40021	**2 5/8"**	475	580	685	885	**4**	or	6457 (400)	2529 (392)	89	79	16	16
US-40025	**3 1/8"**	475	580	820	1000	**4**	**US-810-F**	6457 (400)	2529 (392)	89	89	80	16
US-488-SW	**1"SW**	50	60	90	110	**1**	**Steel Connection Shells**			25	16	10	12
US-9610-SW	**1 1/4"SW**	105	140	280	360	**2**	(For steel tubings)			39	30	10	12
US-14412-SW	**1 1/2"SW**	175	210	360	470	**3**				53	43	10	12
US-19216-SW	**2"SW**	260	310	400	520	**4**	**See DATA above**			65	57	11	12
US-40016-SW	**2"SW**	475	580	720	800	**4**	(same)			88	76	12	16

NOTE:
- RECOMMENDED CAPACITIES are based on field replacement or installation for maximum drying efficiency. Lab conditions would give approx double values. Ratings in accordance with **ARI standard 730-86**.
- For **R404A** & **R507** use 95% of the R12 capacities
- Our flow capacities are based on **0,14 bar** (2 Psi) pressure drop through the shell (cores are attending to be clogged and should be replaced above such a value.
  IMPORTANT: The surface filtration of our corrugated **"C"** and **"CM"** are increased by **50%** regarding the above table values and have less pressure drop.
- See our core DATA's page 233 in connection with page 234 for field efficient readings and analysis maintenance.

TABLE 2: CAPACITY SUCTION LINE SELECTION

CAPACITIES SHOWN IN kW (1 kW = 860 Fg/h = 0.284 US TON of refrigeration)

EVAPOR. TEMP.	MAXIMUM CAPACITY RATING IN kW													
	-40°C		-30°C			-18°C			-7°C			+5°C		
REFRIGERANTS	**22/134**	**502**	**22**	**134**	**502**	**22**	**134**	**502**	**22**	**134**	**502**	**22**	**134**	**502**
ODS CONNECTION TO BE TAKEN	PRESSURE DROP in **bar** and (Psi)													
	.04 (.5)	**.04 (.5)**	**.07 (1)**	**.07 (1)**	**.07 (1)**	**.10 (1.5)**	**.10 (1.5)**	**.10 (1.5)**	**.14 (2)**	**.14 (2)**	**.14 (2)**	**.21 (3)**	**.21 (3)**	**.21 (3)**
5/8"	2.1	1.7	3.8	3.8	3.1	5.9	5.9	5.2	8.7	8.7	7.0	11	11	8.5
7/8"	4.9	3.8	8.7	8.7	7.0	13	13	11	18	18	14	28	28	25
1 1/8"	7.3	5.9	13	13	10	20	20	17	24	24	20	44	44	38
1 3/8"	10	8.0	18	18	14	28	28	24	41	41	33	61	61	53
1 5/8"	9.4	10	24	24	19	37	37	32	53	53	42	78	78	68
2 1/8"	18	14	33	33	26	50	50	43	77	77	61	107	107	93
2 5/8"	28	22	52	52	41	79	79	68	121	121	90	168	168	146

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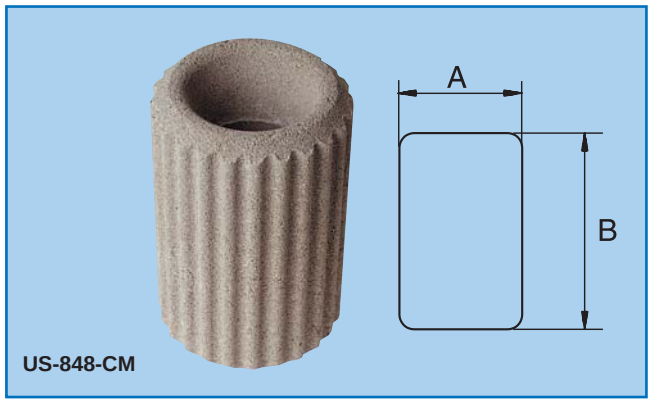
INTERCHANGEABLE AND REPLACEABLE ACTIVATED CORES

"THE TRUE AND ORIGINAL RANGE"



SPECIFICATIONS

- These cores are carefully molded using selected desiccants for ***HIGH MOISTURE*** absorption and ***ACIDS*** and ***WAX*** removal.
- Bonded for very high mechanical strength and ***MICRONIC FILTRATION*** capability.
- Fully activated in high temperature oven and hermetically sealed in leak proof container including an universal ***KIT*** of ***REPLACEMENT GASKETS*** for our shells as well as other existing shells.
- Our ***CORRUGATED*** type cores offer **+55%** of surface filtration and are slow glogged than other existing types.
- These replaceable cores are ***INTERCHANGEABLE*** with all types existing in the market.

REFRIGERANTS

- **R12, R22, R502, R134a, R404A, R407C, R507** and **other blends** and their specific lubricants.
- **R717** (NH_3 ammonia) with US-824-CM, 848-CM and 810-CM.

DIMENSIONAL DATA OF CORES		
MODEL	**DIMENSIONS (mm)** **A**	**B**
All **"US-824-CM", "CC"** and **"F"**	61	146
All **"US-848-C", "CM", "CC", "CF"** and **"F"**	93	131
All **"US-810-CM", "CC", "CF"** and **"F"**	122	156

1. THREE TYPES: *"24", "48"* and *"100"* cubic inch

24 CUBIC INCH CORES:
US-824-CM, US-824-CC and **US-824-F** ***(standard)***   All are for our **3"** diameter shells (all US-24 shells).   All are for other **3"** diameter standard existing shells
48 CUBIC INCH CORES:
US-848-C, US-848-CM, US-848-CC, **US-848-CF** and **US-848-F** ***(standard)***   All are for our **$4^3/_4$"** diameter shells (all US-48, US-96, US-144 and US-192 shells).   All are for other **$4^3/_4$"**diameter standard existing shells.
100 CUBIC INCH CORES:
US-810-CM, **US-810-CC, US-810-CF** and **US-810-F** ***(standard)***   All are for our **6"** diameter shells (all US-300 and 400 shells)   All are for other **6"** diameter standard existing shells.

2. FIVE MODELS: *"C","CM","CC","CF","F"*

STANDARD	HIGH CAPACITY	CHARCOAL	NYLON	MICRONIC FELT
				
US-848-C Standard core for micronic filtration of 10 micron at pressure Differential of 0.14 bar (2 Psi)	**US-824-CM** **US-848-CM** **US-810-CM** Same as standard US-848-C cores however with a high water retension	**US-824-CC** **US-848-CC** **US-810-CC** Same as high water retension "CM" however with additional activated charcoal to remove wax	**US-848-CF** **US-810-CF** Micronic filtration equal or less than 5 micron at pressure differential of 0,035 bar	**US-824-F** **US-848-F** **US-810-F** Reduced pressure drop for permanent suction micronic filtration No water absorption No acids removal

3. SPECIFIC PURPOSE AND ORDERING

"824" and ***"848" models*** are packed ***12*** in a carton.

"810" model is packed ***4*** in a carton.

US-848-C:	**Standard original core** used for general clean up in all *LIQUID* or *SUCTION* line applications. CORRUGATED surface and high mechanical strength for MICRONIC FILTRATION (**10µ** minimum) under LOW PRESSURE DROP (**0,14 bar** maximum). Ideal for best expansion device protection. Remove *SLUDGE*, *VARNISHES, MOISTURE* and *ACIDS*.

US-824-CM: **US-848-CM** **US-810-CM**	**Standard high capacity core** similar to and used as the above **"C"** model but with as *HIGH DRYING CAPACITY*. Ideal for perfect clean up at starting or where high moisture is suspected (system being exposed to the atmosphere, ruptured water condensor, low side exchanger and other tubing.

US-824-CC: **US-848-CM** **US-810-CC**	**Standard high activated charcoal core** combines all above"CM" specifications with a *HIGH ACTIVATED CHARCOALblend for HIGHWAXand VARNISH removal. Ideal (liquid and/ or suction lines) where a motor burnout asoccured.*

US-848-CF: **US-810-CF**	**Standard micronic filtration nylon core** Used in the suction line with Micronic Suction Filter Shells, see page 235, with the *LOWEST* possible *PRESSURE DROP* (down to **0,035 bar** according data's and where drying and acid removal are not required anymore). Nylon core filters down to **5µ** and should always be used after the system has been cleaned using drier cores shown above.

US-824-F: **US-848-F** **US-810-F**	**Standard micronic filtration felt core**. Used permanently in the suction line with the *LOWEST* possible *PRESSURE DROP* (down to **0,035 bar** according data's and where drying and acid removal are not required anymore). Felt core filters down to **10µ** and should always be used after the system has been cleaned using drier cores shown above.

4. MOISTURE DATA & SELECTION TABLE

PART NUMBER	DESCRIPTION	WATER CAPACITY - DROPS												
		R134a		R12		R22		R407C		R502		R404A / R507		
		DROPS @ 60 PPM		DROPS @ 15 PPM		DROPS @ 60 PPM		DROPS @ 50 PPM		DROPS @ 30 PPM		DROPS @ 50 PPM		
		24°C (75°F)	52°C (125°F)	24°C (75°F)	52°C 125°F)	24°C (75°F)	52°C (125°F)	24°C (75°F)	52°C (125°F)	24°C (75°F)	52°C (125°F)	7°C (45°F)	24°C (75°F)	52°C (125°F)
US-824-CM	HIGH CAPACITY	311	218	556	334	311	218	-	-	345	255	-	-	-
US-824-CC	ACT. CHARCOAL	116	108	331	193	166	108	-	-	192	133	-	-	-
US-824-F	SUCTION FELT	*MICRONIC FILTRATION ONLY*												
US-848-C	STANDARD	308	160	790	427	308	160	225	95	387	228	-	457	343
US-848-CM	HIGH CAPACITY	588	412	1050	630	588	412	445	285	651	482	-	721	535
US-848-CC	ACT. CHARCOAL	345	224	690	402	345	224	290	165	400	277	-	417	289
US-848-CF	NYLON	*MICRONIC FILTRATION ONLY*												
US-848-F	SUCTION FELT	*MICRONIC FILTRATION ONLY*												
US-810-CM	HIGH CAPACITY	1219	853	2173	1304	1219	853	-	-	1347	996	-	1199	839
US-810-CC	ACT. CHARCOAL	702	456	1400	816	702	456	-	-	812	562	-	756	448
US-810-CF	NYLON	*MICRONIC FILTRATION ONLY*												
US-810-F	SUCTION FELT	*MICRONIC FILTRATION ONLY*												

- Moisture holding capacity is based on an evaporating pressure drop and:
  60 PPM for **R134a** and **R22** — **15 PPM** for **R12**
  30 PPM for **R502** — **50 PPM** for **R404A, R407C** and **R507**
- According to **ARI standard 730-86** for R22, R12, R502, R134a
- No ARI publication at this time for R404A, R407C and R507
- **20 drops of water** = 1 gram = 1 cubic centimetre (cm^3)
- The above values are for *"field applications"*. Lab conditions would give substantial higher values.

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MICRONIC SUCTION FILTER SHELLS

"THE BEST & CHEAPEST CORE SHELL TO PROTECT COMPRESSORS"

SPECIFIC PURPOSE

- Compact shell (only one core from **1 3/8" ODS** up to **3 1/8" ODS** connections) providing a permanent *VERY HIGH MICRONIC FILTRATION* (down to **5 microns**) under a *VERY LOW PRESSURE DROP* (down to **0,035 bar** or 0.5 Psi).
- Keeps oil and refrigerant permanently clean.
- Prevents all foreign burrs, dirt and sludge to damage the highly machined & polished internal working part of the compressor.

DESIGN FEATURES

- Steel shell and cover. Copper fitting connections. Stainless steel cap screws. One (**"CF"** type) flutted bi-directional core.
- Full flow filter with a corrugated filter core area at low P.D.
- Expanded metal cylinder offers a rugged unit for speed flow.
- Access valve (1/4" male flare SAE) with **"schrader"** core and cap for easy & accurate pressure drop readings.

INSTALLATION

- Can be installed in any position. It is *BI-DIRECTIONAL*.
- The shell receives the specific replaceable **"CF"** micronic filter core. Also, it gives the benefit to temporarily receive all other standard **ceramic core models** shown page 233.
- This *TEMPORARY CLEAN UP METHOD* (say between 2 to 4 hours long) gives you a temporary drier shell to obtain a moisture and acid removal at start up, High drying action after any incidental opening, breaking or leaking pipes,
  Regeneration and safety after any **"burnout"**, etc...).
- *NOTE:* In such a way (with **ceramic core** and *KIT* **"RK"**) the inlet fluid flow should be planned at the side connection.

SPECIFICATIONS:

- For **R12**, **R22**, **R502**, **R134a**, **R404A**, **R407C**, **R507** and other blends with their specific lubricants.
- Working pressure: **35 bar** (500 Psi)
- **U.L.** & **CSA listed**.
- Bursting pressure: **175 bar** (2500 Psi).

1. TO ORDER SHELL & CORE

SHELL PART NUMBER	O.D.S. CONNECT	MICRONIC FILTER CORE	KIT FOR CERAMIC CORE	DIMENSIONS (cm)			BODY SHELL Ø
				A	B	C	
US-83711	1 3/8"	**US-824-CF**	**24-RK**	27.8	21.1	8.6	8 cm
US-83713	1 5/8"	**US-824-CF**	**24-RK**	28.0	21.3	8.8	(3")
US-85713	1 5/8"	**US-848-CF**	**48-RK**	24.3	16.5	10.0	12 cm
US-85721	2 5/8"	**US-848-CF**	**48-RK**	26.4	16.7	14.5	
US-86725	3 1/8"	**US-810-CF**	**10-RK**	42.7	30.5	16.7	(6")

- The **3 references** you need:
  - One suction replaceable core shell.
  - One permanent **"CF"** filtering core.
  - One temporary **"RK"** Kit for using other ceramic cores.

- **1 cm** = .394 inch
- **1 inch** = 2,54 cm

2. CAPACITY TABLE SELECTION *(For "CF" filter core use)*

Capacities given in kW/h (1 kW/h = 860 Fg/h = 0.284 US tons)

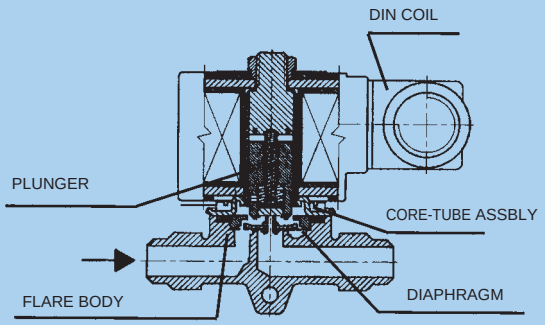
EVAPORATING TEMPERATURE		-40°C (-40°F)		-30°C (-20°F)			-18°C (0°F)			-7°C (20°F)			+5°C (40°F)		
REFRIGERANTS		**R12**	**R22**	**R12**	**R22**	**R502**	**R12**	**R22**	**R502**	**R12**	**R22**	**R502**	**R12**	**R22**	**R502**
SHELL PART NUMBER	**CONN. DIAM.**	**PRESSURE DROP in bar and** (Psi)													
		0.04 (0.5)	**0.04 (0.5)**	**0.04 (0.5)**	**0.07 (1)**	**0.07 (1)**	**0.07 (1)**	**0.1 (1.5)**	**0.1 (1.5)**	**0.1 (1.5)**	**0.14 (2)**	**0.14 (2)**	**0.14 (2)**	**0.21 (3)**	**0.21 (3)**
US-83711	1 3/8"	10	8	9	19	15	17	30	24	26	45	36	38	68	56
US-83713	1 5/8"	14	11	12	26	21	23	42	33	35	62	50	53	95	78
US-85713	1 5/8"	19	15	17	36	28	31	56	45	48	83	67	70	127	104
US-85721	2 5/8"	35	27	30	65	51	56	104	83	89	153	123	130	234	92
US-86725	3 1/8"	55	42	48	104	81	89	164	131	141	242	195	206	369	304

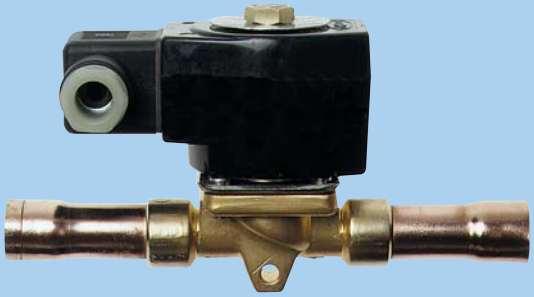
- For **R134a** use R22 data

SOLENOID VALVES

"LIQUID, SUCTION AND DISCHARGE"
"*0N* LUMINOUS DIN CONNECTOR"

1. 2041 SERIES "flare SAE" & "ODS"





2041-BT Series

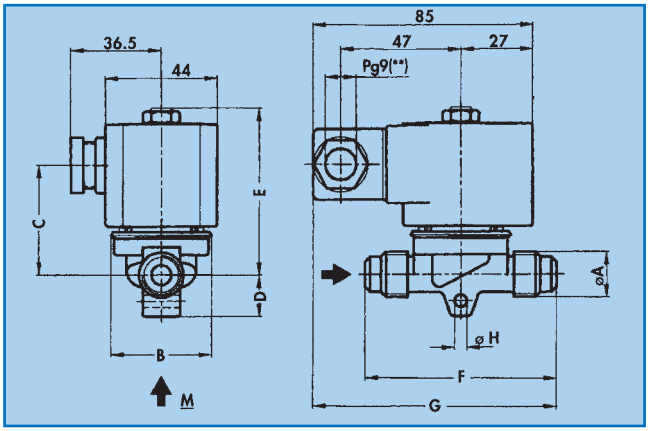
DESCRIPTION

- Forged brass body. **"teflon"** seat and diaphragm.
- Capsulated coils **DIN 43650** connection and **IP65** protection.
- **Luminous DIN** connector (you can see "ON"/"OFF" valve)
- **Flare "SAE"** connections or **"ODS"** brazing ends (ODS copper tube extension does not require the valve to be disassembled).
- Minimum pressure differential for opening: **0.07 bar** (1 Psi) and **0.00 bar** (0 Psi) for 1/4" type.
- Maximum opening pressure differential:
  21 bar (300 Psi) for alternative currents
  10 bar for direct currents
- Working temperature range: **-40°C** to **+115°C** (-40°F to 230°F)
- Maximum working pressure: **35 bar**.

VALVE ORDERING (with coil 230V/50Hz)

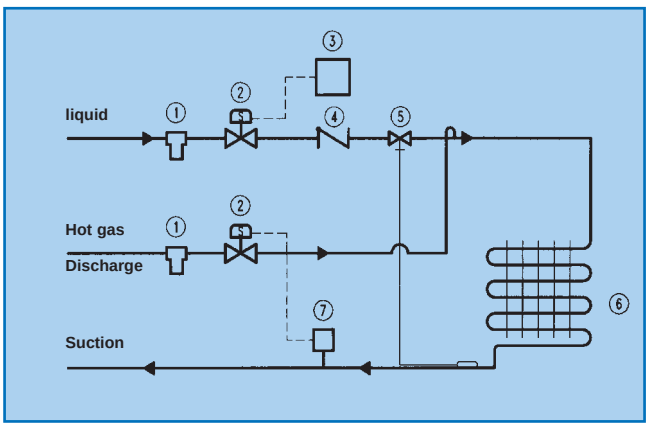
NOTE: See standard coil ordering page 238.

PART NUMBER	CONNECTIONS (flare or ODS)	"KV" COEFFICIENT	REPAIR KIT number
2041-BT-2	1/4" male flare	0.16	K41-T1
2041-BT-3	3/8" male flare	1.20	K041-T1
2041-BT-4	1/2" male flare	1.40	K041-T1
2041-BT-5	5/8" male flare	2.50	K41-T3
2041-BT-2S2	1/4" ODS	0.16	K41-T1
2041-BT-3S3	3/8" ODS	1.20	K041-T1
2041-BT-4S4	1/2" ODS	1.40	K041-T1
2041-BT-4S5	5/8" ODS	1.40	K041-BT1
2041-BT-5S5	5/8" ODS	2.50	K41-T3
2041-BT-5S6	3/4" ODS	2.70	K41-T3
2041-BT-5S7	7/8" ODS	2.70	K41-T3



DIMENSIONS

	CONNECTIONS (flare or ODS)	DIMENSIONS (mm)							
		A	B	C	D	E	F	G	H
2041-BT-2	1/4" male flare	-	30	53	8	64	59	87	-
2041-BT-3	3/8" male flare	-	41	67	18	65	77	96	-
2041-BT-4	1/2" male flare	-	41	67	18	65	77	96	-
2041-BT-5	5/8" male flare	-	55	98	19	76	102	109	7
2041-BT-2S2	1/4" ODS	7	30	53	8	65	115	116	-
2041-BT-3S3	3/8" ODS	10	41	67	18	65	150	133	5
2041-BT-4S4	1/2" ODS	13	41	67	18	65	150	133	5
2041-BT-4S5	5/8" ODS	16	41	67	18	65	150	133	5
2041-BT-5S5	5/8" ODS	16	55	98	19	76	170	143	7
2041-BT-5S6	3/4" ODS	19	55	98	19	76	170	143	7
2041-BT-5S7	7/8" ODS	24	55	98	19	76	170	143	7



TYPICAL APPLICATION

(AT chamber regulation w / relative humidity control)

1: Strainer
2: Solenoid valve
3: Thermostat
4: Check-valve
5: Thermostatic exp. vlv.
6: Evaporator
7: Pressure switch (other)

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2. 1342 SERIES "ODS"

DESCRIPTION

- Forged brass body. **"brass"** piston and **"teflon"** seat.
- Capsulated coils **DIN 43650** connection and **IP65** protection.
- **Luminous DIN** connector (you can see ***"ON"/"OFF"*** valve)
- **"ODS"** brazing connections (ODS copper tube extension).
- Minimum pressure differential for opening: **0.20 bar** (3 Psi).
- Maximum opening pressure differential:
  21 bar (245 Psi) for alternative currents
  13 bar for direct currents
- Working temperature range: **-40°C** to **+115°C** (-40°F to 230°F).
- Maximum working pressure: **35 bar**.

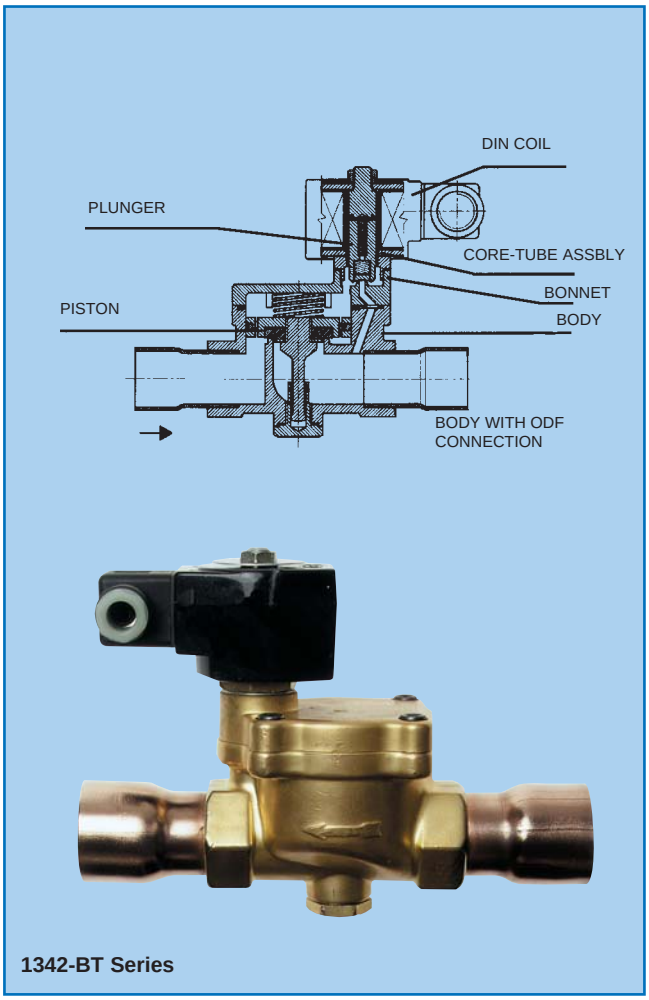
ORDERING OPTIONS

- **MO**: To be added to the solenoid valve reference when you need a valve with a ***MANUAL OPENING STEM***.
- **NO**: To be added to the solenoid valve reference when you need ***NORMALLY OPEN VALVE***.

VALVE ORDERING (with coil 230V/50Hz)

NOTE: see standard coil ordering page 238

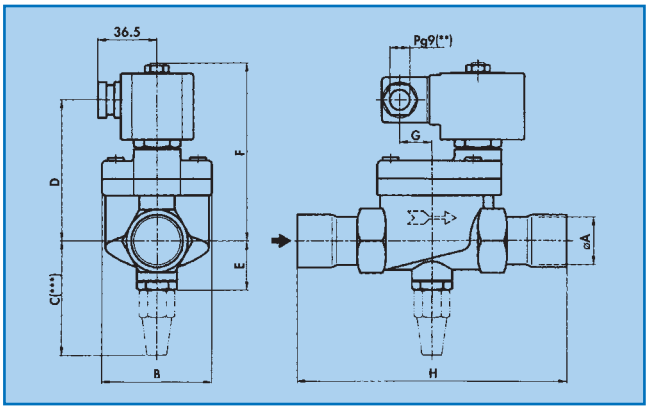
PART NUMBER	CONNECTIONS	"KV" COEFFICIENT	REPAIR KIT number
1342-BT-06S06 1342-BT-06S07 1342-BT-06S09	3/4" ODS 7/8" ODS 1 1/8" ODS	5.0	K42-T1-S
1342-BT-08S09 1342-BT-08S11	1 1/8" ODS 1 3/8" ODS	11	K42-T2-S
1342-BT-12S13 1342-BT-12S17	1 5/8" ODS 2 1/8" ODS	25	K42-T3-S
1342-BT-16S17 1342-BT-16S21	2 1/8" ODS 2 5/8" ODS	40	K42-T4-S



1342-BT Series

DIMENSIONS

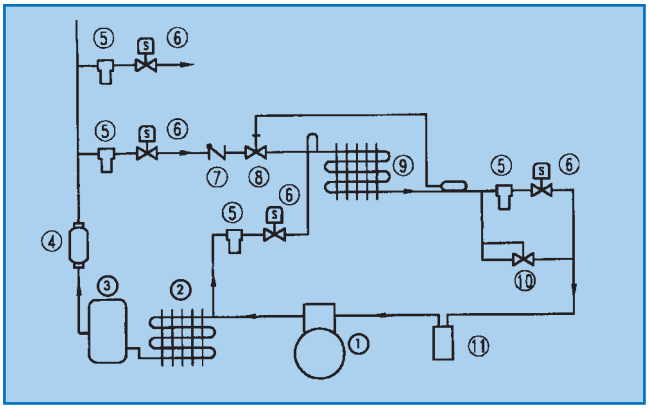
	CONNECTIONS	DIMENSIONS (mm)							
		A	B	C	D	E	F	G	H
1342-BT-06S06 1342-BT-06S07	3/4" ODS 7/8" ODS	23	53	69	84	27	105	24	127
1342-BT-06S09 1342-BT-08S09 1342-BT-08S11	1 1/8" ODS 1 1/8" ODS 1 3/8" ODS	27 29 35	67	72	88	30	109	16	170 190
1342-BT-12S13 1342-BT-12S17	1 5/8" ODS 2 1/8" ODS	42 54	82	80	99	38	120	7	250
1342-BT-16S17 1342-BT-16S21	2 1/8" ODS 2 5/8" ODS	54 67	8	86	105	44	126	-	280

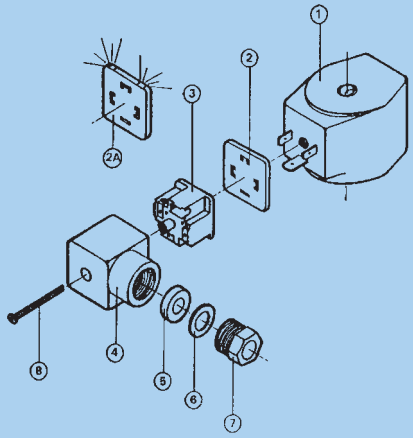


TYPICAL APPLICATION

(Multi-evapos with hot gas defrost system)

1: *Compressor*
2: *Condenser*
3: *Receiver*
4: *Core filter drier*
5: *Strainer*
6: *Solenoid valve*
7: *Check-valve*
8: *Thermostatic exp. vlv.*
9: *Evaporator*
10: *Back pressure regulator*
11: *Liquid suction accumulator*





1 COIL
2 GASKET
2a GASKET. With luminous indicator when coil is energised code Nr. 4180-8 (upon request)
3 BLOCK WITH ELECTRICAL TERMINALS. maximum section of wiring AWG14 (1,6 mm)
4 CONNECTOR WITH OPENING FOR ARMORED CABLE Strain relief "PG9" outside diameter of covered cable from 6 to 8 mm. Upon request luminous connector.
5 STRAIN RELIEF GASKET
6 WASHER
7 STRAIN RELIEF
8 FIXING SCREW

MF-1150C-230U

VOC-15

SOLENOID VALVE OPERATING CONTROLLER

VOC-10	**VALVE OPERATING CONTROLLER** with 10 mm diameter bore size
VOC-15	**VALVE OPERATING CONTROLLER** with 15 mm diameter bore size
VOC-18	**VALVE OPERATING CONTROLLER** with 18 mm diameter bore size

- The quickest and easiest way to convert electrically operated solenoid valves into hand operated valves. To allow testing of valve operation and to undertake repairs.
- 3 models with 3 different stem sizes fit all models of solenoid valves on the market
- Pocket size, easy to use, the ideal addition to every service engineers tool kit
- Do not use the magnet when the solenoid valve is electrically operated.

"DIN" STANDARD SOLENOID COILS

+ "LUMINOUS DIN CONNECTOR"

STANDARD COIL ORDERING FOR ALL SOLENOID VALVES

MF-1150C-024U*	**COIL**	24V	50Hz	11W
MF-1150C-048U*	**COIL**	48V	50Hz	11W
MF-1150C-230U*	**COIL**	230V	50Hz	11W
MF-1360C-110U*	**COIL**	110V	60Hz	13W
MF-1900C-024U*	**COIL**	24V	(DC)	19W

(*) Add "4" to the coil part number for LUMINOUS GASKET
Add "7" to the coil part number for PG9 DIN CONNECTOR

DESCRIPTION

- ***Only one standard coil*** for all solenoid valves.
- Capsuled, humidity and weather proof. Continuous use.
- **DIN 43650** (**ISO 4400**) connectors for PG9, PG11 or 1/2" NPT conduit (**PG9** is the standard *DIN connector* normally supplied and available on stock).
- **IP65** protection (explosion proof version upon request).
- ***Luminous gasket*** or ***luminous DIN connector*** incorporated to light up when the coil is energized (upon request).
- All solenoid valves are **U.L. listed**, **CSA** Canadian standard and **BVQI-ISO 9001** approved.
- The thermal isolation is **+155°C**, **Class "F"**.

ELECTRICAL INSTALLATION

- All the coils are for continuous use or high frequency of operation and they are protected against humidity by the encapsulation or by weather proof housings.
- Verify that the coil supplied with the valve is of the correct tension and current required. If not, replace it with the adequate coil without changing the valve.
- The tension variation that is permitted without affecting the perfomance of the valve is of -15% to +10% of the nominal tension.
- The rest of the models described in this manual are provided normally with capsulated coils with DIN 43650 (ISO 4400) connections.

MECHANICAL INSTALLATION

- Verify that the working conditions are within the range of differential pressure and temperature indicated on the name plate of the valve.
- That a strainer is fitted immediately upstream of the valve with the adequate capacity and a mesh of no greater than a 100 microns.
- The most favorable mounting position: on a horizontal pipe line with the coil in the upright position.
- Pipe lines upstream of the valve must be carefully and exhaustively cleaned even before a strainer, by purges with compressed air or any other system which ensure the elimination of all solid elements as well as welding bits, mud, dirt, and this happens particularly in new installations.
- Do not forget to look at the arrow indicating the flow in the body. For that, the pressure at the inlet must always be greater or equal to the outlet.

INSTRUCTIONS FOR THE ELECTRICAL CONNECTION OF THE COIL WITH STRAIN RELIEF CONNECTOR

1. Unscrew the screw (8) to be able to get to the block (3) where the terminals are. The design is prepared to use standard cables or 3-wire armored cables "PG9". Carry out the wiring as per diagram.
2. Insert the terminal block into the connector (4) according to the entrance angle desired, within the four possible positions: Left, right, above, below.
3. Insert into the terminal block the spades of the coil. Secure it with the fixing screw (8).
4. Lastly, but very important: tighten the strain relief (7) to ensure it is hermetic. Otherwise humidity ingresses and can cause a short-circuit between the terminals or reach the coil and short-circuit the windings, damaging the coil.

Tel : +32 3 766 02 02
Fax: +32 3 766 10 67

SOLENOID VALVES CAPACITY TABLES

1. LIQUID CAPACITY TABLE in kW (1 kW = 860 Fg/h)

	PART NUMBER	CONNECTION	ΔP KPa	REFRIGERANTS			
				R22	R134a	R404A	R507
	**2041-BT-2** **2041-BT-2S2**	**1/4"** male flare **1/4"** ODS	15 20 30 50 100	3.23 3.73 4.56 5.89 8.33	2.99 3.46 4.23 5.46 7.73	2.20 2.54 3.11 4.01 5.67	2.17 2.50 3.06 3.96 5.59
	2041-BT-3 **2041-BT-3S3**	**3/8"** male flare **3/8"** ODS	15 20 30 50 100	24 28 34 44 62	22 26 32 41 58	16 19 23 30 43	16 19 23 30 42
	2041-BT-4 **2041-BT-4S4** **2041-BT-4S5**	**1/2"** male flare **1/2"** ODS **5/8"** ODS	15 20 30 50 100	28 33 40 52 73	26 30 37 48 68	19 22 27 35 50	19 22 27 35 49
	2041-BT-5 **2041-BT-5S5** **2041-BT-5S6** **2041-BT-5S7**	**5/8"** male flare **5/8"** ODS **3/4"** ODS **7/8"** ODS	15 20 30 50 100	54 63 77 99 141	50 58 71 92 130	37 43 52 68 96	37 42 52 67 94
	**1342-BT-06S06** **1342-BT-06S07** **1342-BT-06S09**	**3/4"** ODS **7/8"** ODS **1 1/8"** ODS	20 30 50 100	116 143 184 260	108 132 171 241	79 97 125 177	78 96 124 175
	1342-BT-08S09 **1342-BT-08S11**	**1 1/8"** ODS **1 3/8"** ODS	20 30 50 100	256 314 405 573	238 291 376 531	174 214 276 390	172 211 272 385
	1342-BT-12S13 **1342-BT-12S17**	**1 5/8"** ODS **2 1/8"** ODS	20 30 50 100	582 713 921 1312	540 661 854 1207	396 486 627 887	391 479 618 874
	1342-BT-16S17 **1342-BT-16S21**	**2 1/8"** ODS **2 5/8"** ODS	20 30 50 100	932 1141 1473 2083	864 1058 1366 1932	634 777 1003 1418	625 766 989 1398

All capacities are calculated with an upstream temperature of +25°C and an evaporation temperature of -10°C.

CORRECTION FACTORS

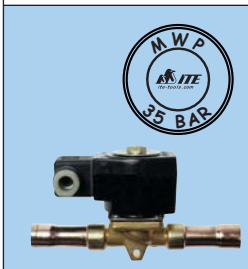
For capacities in other condensing or evaporating temperatures, use the correction factor:

CONDEN. TEMP.	REFRIGERANTS			
	R22	R134a	R404A	R507
+20°C	1.04	1.05	1.08	1.07
+25°C	1.00	1.00	1.00	1.00
+30°C	0.95	0.95	0.92	0.93
+35°C	0.91	0.89	0.84	0.86
+40°C	0.86	0.84	0.76	0.78

EVAPOR. TEMP.	REFRIGERANTS			
	R22	R134a	R404A	R507
+10°C	1.04	1.07	1.09	1.09
+5°C	1.03	1.06	1.07	1.07
0°C	1.02	1.04	1.05	1.04
-5°C	1.01	1.02	1.02	1.02
-10°C	1.00	1.00	1.00	1.00
-20°C	0.98	0.96	0.95	0.95
-30°C	0.95	0.92	0.90	0.91
-40°C	0.92	0.88	0.85	

2. SUCTION (vapour) CAPACITY TABLES

R22 SUCTION (vapour) CAPACITY TABLE

	PART NUMBER	CONNECTION	ΔP KPa	EVAPORATION TEMPERATURE IN °C							
				10	5	0	-5	-10	-20	-30	-40
	2041-BT-2 2041-BT-2S2	1/4" male flare 1/4" ODS	10 20 30 40	0.42 0.59 0.72 0.83	0.39 0.55 0.66 0.76	0.37 0.55 0.63 0.69	0.32 1.45 0.55 0.63	0.29 0.41 0.50 0.56	0.24 0.33 0.40 0.45	0.19 0.26 0.31 0.34	0.15 0.20 0.23 0.25
	2041-BT-3 2041-BT-3S3	3/8" male flare 1/4" ODS	10 20 30 40	3.2 4.5 5.4 6.2	2.9 4.1 5.0 5.7	2.8 4.1 4.7 5.2	2.4 3.4 4.1 4.7	2.2 3.1 3.7 4.2	1.8 2.5 3.0 3.4	1.4 2.0 2.3 2.6	1.1 1.5 1.7 1.9
	2041-BT-4 2041-BT-4S4 2041-BT-4S5	1/2" male flare 1/2" ODS 5/8" ODS	10 20 30 40	3.7 5.2 6.3 7.2	3.4 4.8 5.8 6.6	3.3 4.8 5.5 6.0	2.8 4.0 4.8 5.5	2.6 3.8 4.3 4.9	2.1 2.9 3.5 3.9	1.7 2.3 2.7 3.0	1.3 1.7 2.0 2.2
	2041-BT-5 2041-BT-5S5 2041-BT-5S6 2041-BT-5S7	5/8" male flare 5/8" ODS 3/4" ODS 7/8" ODS	10 20 30 40	7.1 10.0 12.2 14.0	6.6 9.2 11.2 12.8	6.3 9.3 10.7 11.6	5.5 7.6 9.2 10.6	5.0 6.9 8.4 9.5	4.0 5.6 6.7 7.6	3.2 4.4 5.2 5.8	2.5 3.4 3.9 4.2
	1342-BT-06S06 1342-BT-06S07 1342-BT-06S09	3/4" ODS 7/8" ODS 1 1/8" ODS	20 30 40	18.6 22.6 25.9	17.0 20.7 23.7	17.2 19.8 21.6	14.2 17.1 19.5	12.8 15.5 17.6	10.4 12.4 14.0	8.2 9.7 10.8	6.2 7.1 7.8
	1342-BT-08S09 1342-BT-08S11	1 1/8" ODS 1 3/8" ODS	20 30 40	41 50 57	37 45 52	38 44 47	31 38 43	28 34 39	23 27 31	18 21 24	14 16 17
	1342-BT-12S13 1342-BT-12S17	1 5/8" ODS 2 1/8" ODS	20 30 40	93 113 129	85 103 118	86 99 108	71 86 98	64 77 88	52 62 70	41 48 54	31 36 39
	1342-BT-16S17 1342-BT-16S21	2 1/8" ODS 2 5/8" ODS	20 30 40	149 181 207	136 165 189	138 158 173	113 137 156	103 124 141	83 99 112	66 77 86	50 57 62

R134a SUCTION (vapour) CAPACITY TABLE

	PART NUMBER	CONNECTION	ΔP KPa	EVAPORATION TEMPERATURE IN °C							
				10	5	0	-5	-10	-20	-30	-40
	2041-BT-2 2041-BT-2S2	1/4" male flare 1/4" ODS	10 20 30 40	0.34 0.47 0.57 0.65	0.30 0.42 0.51 0.58	0.27 0.38 0.46 0.52	0.24 0.34 0.41 0.46	0.22 0.30 0.36 0.40	0.17 0.23 0.27 0.30	0.13 0.17 0.19 0.20	0.09 0.12
	2041-BT-3 2041-BT-3S3	3/8" male flare 3/8" ODS	10 20 30 40	2.5 3.5 4.3 4.9	2.3 3.2 3.8 4.4	2.0 2.9 3.4 3.9	1.8 2.5 3.0 3.4	1.6 2.3 2.7 3.0	1.3 1.7 2.0 2.2	1.0 1.3 1.4 1.5	0.7 0.9
	2041-BT-4 2041-BT-4S4 2041-BT-4S5	1/2" male flare 1/2" ODS 5/8" ODS	10 20 30 40	2.9 4.1 5.0 5.7	2.7 3.7 4.5 5.1	2.4 3.3 4.0 4.5	2.1 3.0 3.5 4.0	1.9 2.6 3.1 3.5	1.5 2.0 2.4 2.6	1.1 1.5 1.6 1.7	0.8 1.0
	2041-BT-5 2041-BT-5S5 2041-BT-5S6 2041-BT-5S7	5/8" male flare 5/8" ODS 3/4" ODS 7/8" ODS	10 20 30 40	5.7 7.9 9.6 10.9	5.1 7.2 8.6 9.8	4.6 6.4 7.7 8.7	4.1 5.7 6.8 7.7	3.7 5.1 6.0 6.8	2.9 3.9 4.5 5.0	2.2 2.9 3.2 3.4	1.5 2.0
	1342-BT-06S06 1342-BT-06S07 1342-BT-06S09	3/4" ODS 7/8" ODS 1 1/8" ODS	20 30 40	14.7 17.8 20.2	13.2 16.0 18.2	11.9 14.3 16.2	10.6 12.7 14.3	9.4 11.2 12.5	7.2 8.4 9.3	5.3 5.9 6.2	3.6
	1342-BT-08S09 1342-BT-08S11	1 1/8" ODS 1 3/8" ODS	20 30 40	32 39 45	29 35 40	26 31 36	23 28 31	21 25 28	16 19 20	12 13 14	8
	1342-BT-12S13 1342-BT-12S17	1 5/8" ODS 2 1/8" ODS	20 30 40	73 89 101	66 60 91	59 71 81	53 63 71	47 56 63	36 42 46	27 29 31	18
	1342-BT-16S17 1342-BT-16S21	2 1/8" ODS 2 5/8" ODS	20 30 40	118 142 162	106 128 145	95 114 129	85 101 114	75 89 100	58 67 74	43 47 50	29

All capacities are calculated with an upstream temperature of +25°C and an evaporation temperature of -10°C.

CORRECTION FACTORS

For capacities in other temperatures use the following correction factor:

R22	**CONDENSING TEMPERATURE**	15	20	25	30	35	40
	CORRECTION FACTOR	1.07	1.04	1.00	0.96	0.93	0.89
R134a	**CONDENSING TEMPERATURE**	15	20	25	30	35	40
	CORRECTION FACTOR	1.08	1.04	1.00	0.96	0.91	0.87

Tel : +32 3 766 02 02
Fax: +32 3 766 10 67

R404A SUCTION (vapour) CAPACITY TABLE

	PART NUMBER	CONNECTION	ΔP KPa	EVAPORATION TEMPERATURE IN °C							
				10	5	0	-5	-10	-20	-30	-40
	**2041-BT-2** **2041-BT-2S2**	**1/4"** male flare **1/4"** ODS	10 20 30 40	0.38 0.54 0.66 0.75	0.35 0.49 0.59 0.68	0.32 0.44 0.54 0.61	0.28 0.40 0.46 0.55	0.26 0.36 0.43 0.49	0.20 0.28 0.34 0.38	0.16 0.22 0.26 0.29	0.12 0.18 0.19 0.21
	2041-BT-3 **2041-BT-3S3**	**3/8"** male flare **3/8"** ODS	10 20 30 40	2.9 4.0 4.9 5.6	2.6 3.7 4.5 5.1	2.4 3.3 4.0 4.6	2.1 3.0 3.6 4.1	1.9 2.7 3.2 3.7	1.5 2.1 2.5 2.9	1.2 1.6 1.9 2.2	0.9 1.2 1.4 1.5
	2041-BT-4 **2041-BT-4S4** **2041-BT-4S5**	**1/2"** male flare **1/2"** ODS **5/8"** ODS	10 20 30 40	3.4 4.7 5.7 6.6	3.0 4.3 5.2 6.0	2.8 3.9 4.7 5.4	2.5 3.5 4.2 4.8	2.2 3.1 3.8 4.3	1.8 2.5 3.0 3.4	1.4 1.9 2.3 2.6	1.0 1.4 1.6 1.8
	2041-BT-5 **2041-BT-5S5** **2041-BT-5S6** **2041-BT-5S7**	**5/8"** male flare **5/8"** ODS **3/4"** ODS **7/8"** ODS	10 20 30 40	6.5 9.1 11.1 12.7	5.9 8.2 10.0 11.5	5.3 7.5 9.1 10.4	4.8 6.7 8.1 9.3	4.3 6.0 7.3 8.3	3.4 4.8 5.7 6.5	2.7 3.7 4.4 4.9	2.0 2.7 3.1 3.5
	**1342-BT-06S06** **1342-BT-06S07** **1342-BT-06S09**	**3/4"** ODS **7/8"** ODS **1 1/8"** ODS	20 30 40	16.8 20.5 23.5	15.3 18.6 21.3	13.8 16.8 19.2	12.4 15.1 17.2	11.1 13.5 15.4	8.8 10.6 12.0	6.8 8.1 9.1	5.0 5.8 6.4
	1342-BT-08S09 **1342-BT-08S11**	**1 1/8"** ODS **1 3/8"** ODS	20 30 40	37.0 45.0 52.0	34.0 41.0 47.0	30 37 42	27 33 38	25 30 34	19 23 26	15 18 20	11 13 14
	1342-BT-12S13 **1342-BT-12S17**	**1 5/8"** ODS **2 1/8"** ODS	20 30 40	84 102 118	76 93 106	69 84 96	62 75 86	56 67 77	44 53 60	34 41 46	25 29 32
	1342-BT-16S17 **1342-BT-16S21**	**2 1/8"** ODS **2 5/8"** ODS	20 30 40	135 164 188	122 148 170	110 134 154	100 121 138	89 108 123	71 85 96	55 65 73	40 47 51

R507 SUCTION (vapour) CAPACITY TABLE

	PART NUMBER	CONNECTION	ΔP KPa	EVAPORATION TEMPERATURE IN °C						
				10	5	0	-5	-10	-20	-30
	**2041-BT-2** **2041-BT-2S2**	**1/4"** male flare **1/4"** ODS	10 20 30 40	0.39 0.55 0.67 0.77	0.35 0.50 0.61 0.70	0.32 0.45 0.55 0.64	0.29 0.41 0.50 0.58	0.26 0.37 0.45 0.52	0.21 0.29 0.36 0.41	0.16 0.23 0.26 0.32
	2041-BT-3 **2041-BT-3S3**	**3/8"** male flare **3/8"** ODS	10 20 30 40	2.9 4.1 5.0 5.8	2.7 3.7 4.6 5.3	2.4 3.4 4.1 4.8	2.2 3.1 3.7 4.3	2.0 2.7 3.4 3.9	1.6 2.2 2.7 3.1	1.2 1.7 2.1 2.4
	2041-BT-4 **2041-BT-4S4** **2041-BT-4S5**	**1/2"** male flare **1/2"** ODS **5/8"** ODS	10 20 30 40	3.4 4.8 5.9 6.8	3.1 4.4 5.3 6.2	2.8 3.9 4.8 5.6	2.5 3.6 4.4 5.0	2.3 3.2 3.9 4.5	1.8 2.5 3.1 3.6	1.4 2.0 2.4 2.6
	2041-BT-5 **2041-BT-5S5** **2041-BT-5S6** **2041-BT-5S7**	**5/8"** male flare **5/8"** ODS **3/4"** ODS **7/8"** ODS	10 20 30 40	6.6 9.2 11.3 13.1	6.0 8.4 10.3 11.9	5.4 7.6 9.3 10.8	4.9 6.9 8.4 9.7	4.4 6.2 7.6 8.7	3.5 4.9 6.0 6.9	2.6 3.6 4.7 5.4
	**1342-BT-06S06** **1342-BT-06S07** **1342-BT-06S09**	**3/4"** ODS **7/8"** ODS **1 1/8"** ODS	20 30 40	17.1 21.0 24.2	15.6 19.1 22.0	14.1 17.3 19.9	12.7 15.6 18.0	11.4 14.0 16.1	9.1 11.1 12.9	7.0 8.6 10.0
	1342-BT-08S09 **1342-BT-08S11**	**1 1/8"** ODS **1 3/8"** ODS	20 30 40	37.7 46.1 53.3	34.3 42.0 48.5	31.0 38.0 43.9	28.0 34.3 39.6	25.1 30.8 35.5	20.0 24.5 28.3	15.5 19.0 21.9
	1342-BT-12S13 **1342-BT-12S17**	**1 5/8"** ODS **2 1/8"** ODS	20 30 40	86 105 121	78 95 110	71 86 100	64 78 90	57 70 81	45 56 64	35 43 50
	1342-BT-16S17 **1342-BT-16S21**	**2 1/8"** ODS **2 5/8"** ODS	20 30 40	137 168 194	125 153 176	113 138 160	102 125 144	91 112 129	73 89 103	58 69 80

All capacities are calculated with an upstream temperature of +25°C and an evaporation temperature of -10°C.

CORRECTION FACTORS

For capacities in other temperatures use the following correction factor:

R404A	**CONDENSING TEMPERATURE**	15	20	25	30	35	40
	CORRECTION FACTOR	1.13	1.06	1.00	0.94	0.86	0.81
R507	**CONDENSING TEMPERATURE**	15	20	25	30	35	40
	CORRECTION FACTOR	1.08	1.04	1.00	0.96	0.91	0.87

3. HOT GAS CAPACITY TABLES

R22 HOT GAS CAPACITY TABLE

	PART NUMBER	CONNECTION	T. cond. °C	PRESSURE DIFFERENTIAL IN KPa						
				10	20	40	80	160	320	640
	**2041-BT-2** **2041-BT-2S2**	**1/4"** male flare **1/4"** ODS	25 30 35 40	0.476 0.490 0.501 0.512	0.670 0.690 0.707 0.722	0.941 0.969 0.994 1.016	1.310 1.352 1.389 1.422	1.792 1.859 1.916 1.968	2.347 2.463 2.563 2.654	2.652 2.922 3.144 3.337
	2041-BT-3 **2041-BT-3S3**	**3/8"** male flare **3/8"** ODS	25 30 35 40	3.57 3.67 3.76 3.84	5.03 5.18 5.30 5.42	7.06 7.27 7.45 7.62	9.83 10.14 10.42 10.67	13.44 13.94 14.37 14.76	17.60 18.48 19.22 19.91	19.89 21.91 23.58 25.03
	2041-BT-4 **2041-BT-4S4** **2041-BT-4S5**	**1/2"** male flare **1/2"** ODS **5/8"** ODS	25 30 35 40	4.16 4.28 4.39 4.48	5.87 6.04 6.18 6.32	8.23 8.48 8.69 8.89	11.46 11.83 12.15 12.45	15.68 16.26 16.76 17.22	20.54 21.56 22.43 23.22	23.20 25.57 27.51 29.20
	2041-BT-5 **2041-BT-5S5** **2041-BT-5S6** **2041-BT-5S7**	**5/8"** male flare **5/8"** ODS **3/4"** ODS **7/8"** ODS	25 30 35 40	8.0 8.3 8.5 8.6	11.3 11.6 11.9 12.2	15.9 16.4 16.8 17.2	22.1 22.8 23.4 24.0	30.2 31.4 32.3 33.2	39.6 41.6 43.3 44.8	44.7 49.3 53.1 56.3
	**1342-BT-06S06** **1342-BT-06S07** **1342-BT-06S09**	**3/4"** ODS **7/8"** ODS **1 1/8"** ODS	25 30 35 40		21.0 21.6 22.1 22.6	29.4 30.3 31.1 31.8	40.9 42.3 43.4 44.5	56 58 60 62	73 77 80 83	83 91 98 104
	1342-BT-08S09 **1342-BT-08S11**	**1 1/8"** ODS **1 3/8"** ODS	25 30 35 40		46.1 47.4 48.6 49.7	65 67 68 70	90 93 95 98	123 128 132 135	161 169 176 182	182 201 216 229
	1342-BT-12S13 **1342-BT-12S17**	**1 5/8"** ODS **2 1/8"** ODS	25 30 35 40		105 108 110 113	147 151 155 159	205 211 217 222	280 290 299 308	367 385 401 415	414 457 491 521
	1342-BT-16S17 **1342-BT-16S21**	**2 1/8"** ODS **2 5/8"** ODS	25 30 35 40		168 173 177 181	235 242 248 254	328 338 347 356	448 465 479 492	587 616 641 664	663 730 786 834

All capacities are calculated with a temperature before the valve, corresponding to the temperature of condensation. A superheat of +25°C and an evaporation temperature of -10°C.

For capacities in other temperatures, use the following correction factor:

EVAPORATING TEMPERATURE	10	0	-10	-20	-30	-40
CORRECTION FACTOR	1.05	1.02	1.00	0.97	0.95	0.92

R134a HOT GAS CAPACITY TABLE

	PART NUMBER	CONNECTION	T. cond. °C	PRESSURE DIFFERENTIAL IN KPa						
				10	20	40	80	160	320	640
	**2041-BT-2** **2041-BT-2S2**	**1/4"** male flare **1/4"** ODS	25 30 35 40	0.380 0.387 0.395 0.401	0.534 0.544 0.556 0.564	0.745 0.760 0.778 0.791	1.023 1.048 1.077 1.097	1.355 1.403 1.453 1.491	1.617 1.733 1.840 1.924	1.617 1.733 1.839 1.923
	2041-BT-3 **2041-BT-3S3**	**3/8"** male flare **3/8"** ODS	25 30 35 40	2.85 2.90 2.96 3.01	4.01 4.08 4.17 4.23	5.59 5.70 5.83 5.93	7.67 7.86 8.07 8.23	10.16 10.52 10.90 11.19	12.13 12.99 13.80 14.43	12.13 13.00 13.80 14.43
	2041-BT-4 **2041-BT-4S4** **2041-BT-4S5**	**1/2"** male flare **1/2"** ODS **5/8"** ODS	25 30 35 40	3.33 3.39 3.46 3.51	4.67 4.76 4.86 4.94	6.52 6.65 6.81 6.92	8.95 9.17 9.42 9.60	11.85 12.28 12.72 13.05	14.15 15.16 16.10 16.83	14.15 15.17 16.09 16.83
	2041-BT-5 **2041-BT-5S5** **2041-BT-5S6** **2041-BT-5S7**	**5/8"** male flare **5/8"** ODS **3/4"** ODS **7/8"** ODS	25 30 35 40	6.4 6.5 6.7 6.8	9.0 9.2 9.4 9.5	12.6 12.8 13.1 13.3	17.3 17.7 18.2 18.5	22.9 23.7 24.5 25.2	27.3 29.2 31.0 32.5	27.3 29.3 31.0 32.5
	**1342-BT-06S06** **1342-BT-06S07** **1342-BT-06S09**	**3/4"** ODS **7/8"** ODS **1 1/8"** ODS	25 30 35 40		17 17 17 18	23 24 24 25	32 33 34 34	42 44 45 47	51 54 57 60	51 54 57 60
	1342-BT-08S09 **1342-BT-08S11**	**1 1/8"** ODS **1 3/8"** ODS	25 30 35 40		37 37 38 39	51 52 53 54	70 72 74 75	93 96 100 103	111 119 126 132	111 119 126 132
	1342-BT-12S13 **1342-BT-12S17**	**1 5/8"** ODS **2 1/8"** ODS	25 30 35 40		83 85 87 88	116 119 122 124	160 164 168 171	212 219 227 233	253 271 287 301	253 271 287 301
	1342-BT-16S17 **1342-BT-16S21**	**2 1/8"** ODS **2 5/8"** ODS	25 30 35 40		134 136 139 141	186 190 194 198	256 262 269 274	339 351 363 373	404 433 460 481	404 433 460 481

All capacities are calculated with a temperature before the valve, corresponding to the temperature of condensation. A superheat of +25°C and an evaporation temperature of -10°C.

For capacities in other temperatures, use the following correction factor:

EVAPORATING TEMPERATURE	10	0	-10	-20	-30	-40
CORRECTION FACTOR	1.08	1.04	1	0.96	0.92	0.87

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Fax: +32 3 766 10 67

R404A HOT GAS CAPACITY TABLE

	PART NUMBER	CONNECTION	T. cond. °C	PRESSURE DIFFERENTIAL IN KPa						
				10	20	40	80	160	320	640
	**2041-BT-2** **2041-BT-2S2**	**1/4"** male flare **1/4"** ODS	25 30 35 40	0.412 0.410 0.406 0.395	0.581 0.578 0.572 0.557	0.815 0.812 0.805 0.784	1.14 1.13 1.13 1.10	1.56 1.56 1.55 1.52	2.05 2.08 2.09 2.06	1.75 1.83 1.89 2.61
	2041-BT-3 **2041-BT-3S3**	**3/8"** male flare **3/8"** ODS	25 30 35 40	3.09 3.08 3.04 2.96	4.35 4.34 4.29 4.18	6.11 6.09 6.04 5.88	8.52 8.50 8.44 8.23	11.67 11.70 11.65 11.40	15.38 15.58 15.65 15.41	13.09 13.73 14.14 19.60
	2041-BT4 **2041-BT-4S4** **2041-BT-4S5**	**1/2"** male flare **1/2"** ODS **5/8"** ODS	25 30 35 40	3.60 3.59 3.55 3.46	5.08 5.06 5.01 4.87	7.13 7.11 7.04 6.86	9.94 9.92 9.84 9.60	13.62 13.65 13.59 13.30	17.94 18.18 18.25 17.98	15.28 16.02 16.50 22.86
	2041-BT-5 **2041-BT-5S5** **2041-BT-5S6** **2041-BT-5S7**	**5/8"** male flare **5/8"** ODS **3/4"** ODS **7/8"** ODS	25 30 35 40	7.0 7.0 7.0 7.0	9.8 9.8 9.7 9.4	13.8 13.7 13.6 13.2	19.2 19.1 19.0 18.5	26.3 26.3 26.2 25.7	34.6 35.1 35.2 34.7	29.5 30.9 31.8 44.1
	**1342-BT-06S06** **1342-BT-06S07** **1342-BT-06S09**	**3/4"** ODS **7/8"** ODS **1 1/8"** ODS	25 30 35 40		18.1 18.1 17.9 17.4	25.5 25.4 25.1 24.5	35.5 35.4 35.2 34.3	48.6 48.8 48.5 47.5	64.1 64.9 65.2 64.2	54.6 57.2 58.9 81.7
	1342-BT-08S09 **1342-BT-08S11**	**1 1/8"** ODS **1 3/8"** ODS	25 30 35 40		39.9 39.7 39.3 38.3	56.0 55.8 55.3 53.9	78 78 77 75	107 107 107 105	141 143 143 141	120 126 130 180
	1342-BT-12S13 **1342-BT-12S17**	**1 5/8"** ODS **2 1/8"** ODS	25 30 35 40		91 90 89 87	127 127 126 122	177 177 176 171	243 244 243 238	320 325 326 321	273 286 295 408
	1342-BT-16S17 **1342-BT-16S21**	**2 1/8"** ODS **2 5/8"** ODS	25 30 35 40		145 145 143 139	204 203 201 196	284 283 281 274	389 390 388 380	513 519 522 514	436 458 471 653

All capacities are calculated with a temperature before the valve, corresponding to the temperature of condensation. A superheat of +25°C and an evaporation temperature of -10°C.

For capacities in other temperatures, use the following correction factor:

EVAPORATING TEMPERATURE	10	0	-10	-20	-30	-40
CORRECTION FACTOR	1.10	1.05	1	0.95	0.89	083

R507 HOT GAS CAPACITY TABLE

	PART NUMBER	CONNECTION	T. cond. °C	PRESSURE DIFFERENTIAL IN KPa						
				10	20	40	80	160	320	640
	**2041-BT-2** **2041-BT-2S2**	**1/4"** male flare **1/4"** ODS	25 30 35 40	0.414 0.438 0.445 0.411	0.584 0.618 0.628 0.580	0.820 0.868 0.883 0.816	1.143 1.213 1.235 1.143	1.568 1.670 1.707 1.584	2.071 2.229 2.297 2.145	1.717 1.908 2.017 2.739
	2041-BT-3 **2041-BT-3S3**	**3/8"** male flare **3/8"** ODS	25 30 35 40	3.11 3.29 3.34 3.08	4.38 4.63 4.71 4.35	6.15 6.51 6.62 6.12	8.57 9.10 9.27 8.57	11.76 12.53 12.81 11.88	15.53 16.72 17.23 16.08	12.88 14.31 15.13 20.54
	2041-BT-4 **2041-BT-4S4** **2041-BT-4S5**	**1/2"** male flare **1/2"** ODS **5/8"** ODS	25 30 35 40	3.62 3.83 3.90 3.60	5.11 5.41 5.50 5.07	7.17 7.60 7.73 7.14	10.00 10.61 10.81 10.00	13.72 14.62 14.94 13.86	18.12 19.50 20.10 18.77	15.02 16.69 17.65 23.96
	2041-BT-5 **2041-BT-5S5** **2041-BT-5S6** **2041- BT-5S7**	**5/8"** male flare **5/8"** ODS **3/4"** ODS **7/8"** ODS	25 30 35 40	7.0 7.4 7.5 6.9	9.9 10.4 10.6 9.8	13.8 14.7 14.9 13.8	19.3 20.5 20.8 19.3	26.5 28.2 28.8 26.7	35.0 37.6 38.8 36.2	29.0 32.2 34.0 46.2
	**1342-BT-06S06** **1342-BT-06S07** **1342-BT-06S09**	**3/4"** ODS **7/8"** ODS **1 1/8"** ODS	25 30 35 40		18.2 19.3 19.6 18.1	25.6 27.1 27.6 25.5	35.7 37.9 38.6 35.7	49.0 52.2 53.4 49.5	64.7 69.7 71.8 67.0	53.6 59.6 63.0 85.6
	1342-BT-08S09 **1342-BT-08S11**	**1 1/8"** ODS **1 3/8"** ODS	25 30 35 40		40.1 42.5 43.2 39.9	56.4 59.7 60.7 56.1	79 83 85 79	108 115 117 109	142 153 158 147	118 131 139 188
	1342-BT-12S13 **1342-BT-12S17**	**1 5/8"** ODS **2 1/8"** ODS	25 30 35 40		91 97 98 91	128 136 138 127	179 189 193 179	245 261 267 247	324 348 359 335	268 298 315 428
	1342-BT-16S17 **1342-BT-16S21**	**2 1/8"** ODS **2 5/8"** ODS	25 30 35 40		146 154 157 145	205 217 221 204	286 303 309 286	392 418 427 396	518 557 574 536	429 477 504 685

All capacities are calculated with a temperature before the valve, corresponding to the temperature of condensation. A superheat of +25°C and an evaporation temperature of -10°C.

For capacities in other temperatures, use the following correction factor:

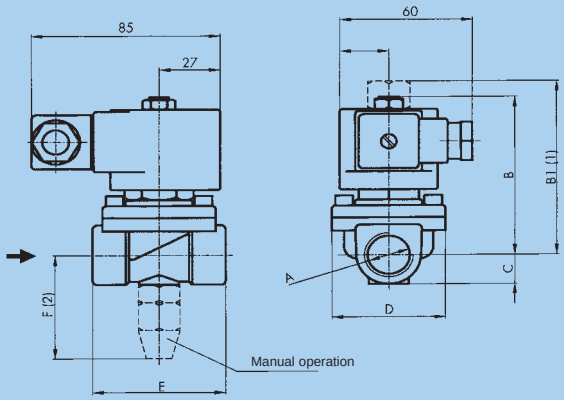
EVAPORATING TEMPERATURE	10	0	-10	-20	-30
CORRECTION FACTOR	1.10	1.05	1	0.96	0.90

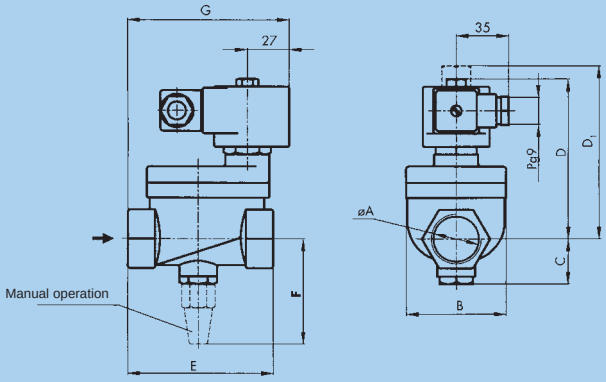
GLYCOL - WATER SOLENOID VALVES

"*0N* LUMINOUS DIN CONNECTOR"

1. GLYCOL-WATER VALVES with "BSP" CONNECTIONS

1335-B Series





DIMENSIONS

	BSP	DIMENSIONS (mm)							
		B	B1	C	D	D1	E	F	G
1335-BA/BT-03	3/8"	80	88	15	51	-	60	53	-
1335-BA/BT-04	1/2"	80	88	15	51	-	60	53	-
1335-BA/BT-06	3/4"	82	92	17	58	-	72	55	-
1342-BA/BT-06	3/4"	52	-	26	104	114	71	68	84
1342-BA/BT-08	1"	67	-	30	108	118	96	72	104
1342-BA/BT-12	1 1/2"	81	-	36	119	129	114	79	122
1342-BA/BT-16	2"	97	-	44	125	135	128	85	138
1342-BA/BT-20	2 1/2"	163	-	89	214	224	224	170	134
1342-BA/BT-24	3"	163	-	89	214	224	224	170	134

DESCRIPTION

- Forged brass and stainless steel body.
- Suitable for ***WATER, GLYCOL WATER*** and ***HYCOOL®***.
- ***"Acrylo nitrile"*** core diaphragm and seat.
- Encapsulated plug-in coils ***DIN 43650*** connection
- Protection: **IP65** and **NEMA 4**.
- Normally closed valves with ***female "BSP"*** connections
- Minimum opening pressure differential:
  0.100 bar (1.45 Psi) for 3/8" and 1/2" connections
  0.200 bar (3.00 Psi) for 3/4" and 3" connections
- Maximum opening pressure differential:
  10 bar (145 Psi) for 3/8" and 1/2" connections
  15 bar (220 Psi) for 3/4" and 3" connections
- Maximum working temperature range:
  For BA series: **-20°** to **+80°C** (-4°F to +180°F)
  For BT series: **-40°** to **+115°C** (-40°F to +240°F)
- Maximum working pressure: **35 bar**.

OPTIONS

Many constructions (diverse fluids industrial automation) and options available upon request such as:

- Energized coil indicator light (see coils page 238)
- Manial opening stem (Add suffix ***"M"***)
- Female ***"NPT"*** connections (add suffix ***"T"***)
- Explosion proof coil and housing (add suffix ***"Z"***), etc. ...

WATER - GLYCOL WATER VALVE ORDERING -20°C to +80°C (with coil 230V/50Hz)

NOTE: see standard coil ordering page 238

1335-BA-03	**SOLENOID VALVE**	**3/8" BSP**	2.35 KV
1335-BA-04	**SOLENOID VALVE**	**1/2" BSP**	2.65 KV
1335-BA-06	**SOLENOID VALVE**	**3/4" BSP**	4.3 KV
1342-BA-06	**SOLENOID VALVE**	**3/4" BSP**	5 KV
1342-BA-08	**SOLENOID VALVE**	**1" BSP**	11 KV
1342-BA-12	**SOLENOID VALVE**	**1 1/2" BSP**	25 KV
1342-BA-16	**SOLENOID VALVE**	**2" BSP**	40 KV
1342-BA-20	**SOLENOID VALVE**	**2 1/2" BSP**	66 KV
1342-BA-24	**SOLENOID VALVE**	**3" BSP**	85 KV

WATER - GLYCOL WATER - HYCOOL® VALVE ORDERING -40°C to +115°C (with coil 230V/50Hz)

NOTE: see standard coil ordering page 238

1342-BT-06	**SOLENOID VALVE**	**3/4" BSP**	5 KV
1342-BT-08	**SOLENOID VALVE**	**1" BSP**	11 KV
1342-BT-12	**SOLENOID VALVE**	**1 1/2" BSP**	25 KV
1342-BT-16	**SOLENOID VALVE**	**2" BSP**	40 KV
1342-BT-20	**SOLENOID VALVE**	**2 1/2" BSP**	66 KV
1342-BT-24	**SOLENOID VALVE**	**3" BSP**	85 KV

Note: see page 236 for our SOLENOID VALVE OPERATING CONTROLLERS

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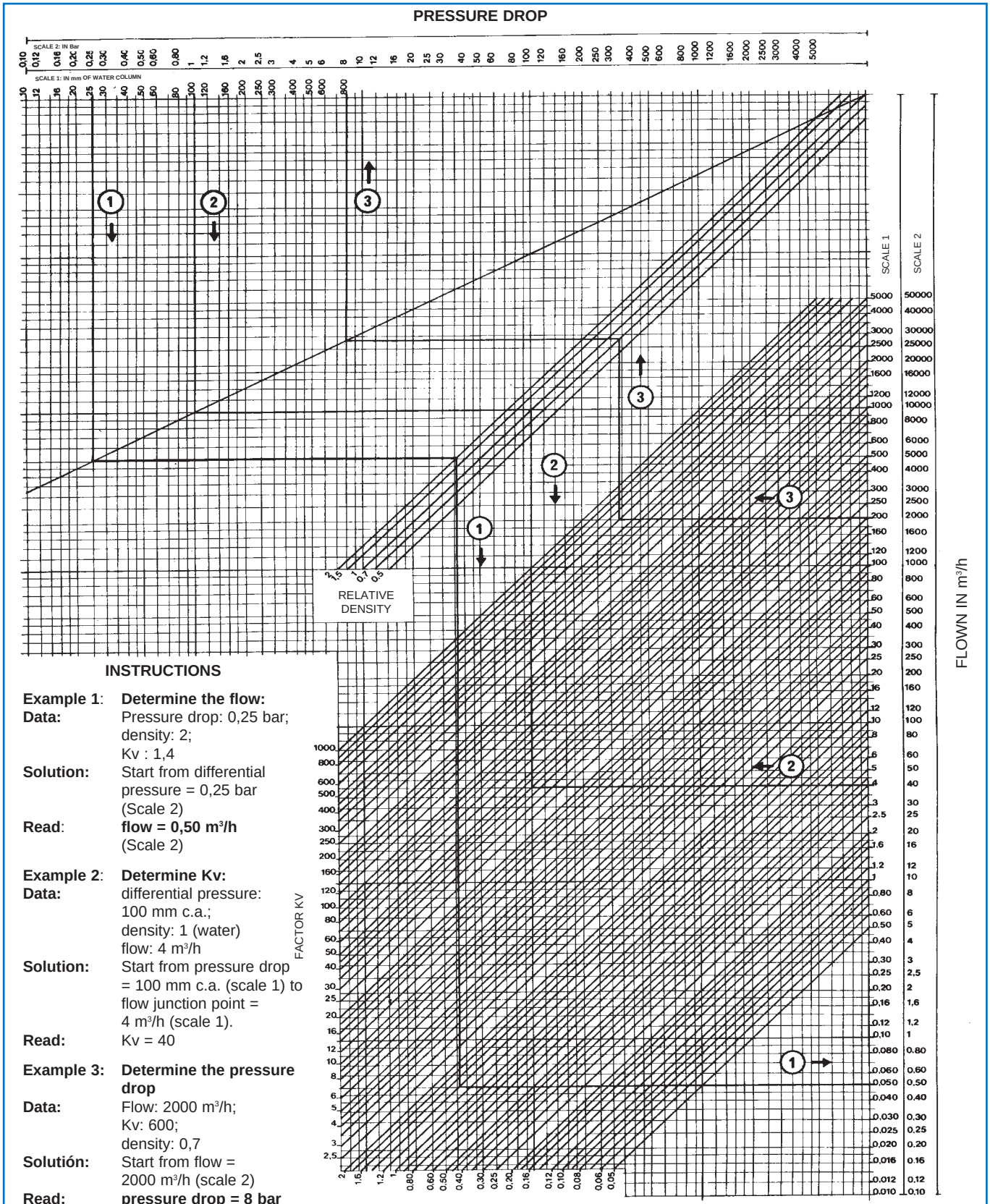
Fax: +32 3 766 10 67

LIQUID FLOW CHART CAPACITY TABLE FOR INDUSTRIAL VALVES

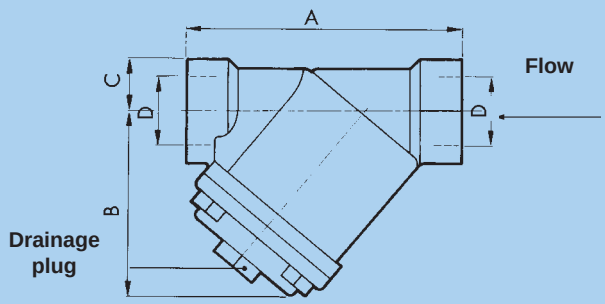


INSTRUCTIONS

Example 1: **Determine the flow:**
Data: Pressure drop: 0,25 bar; density: 2; Kv : 1,4
Solution: Start from differential pressure = 0,25 bar (Scale 2)
Read: **flow = 0,50 m³/h** (Scale 2)

Example 2: **Determine Kv:**
Data: differential pressure: 100 mm c.a.; density: 1 (water) flow: 4 m³/h
Solution: Start from pressure drop = 100 mm c.a. (scale 1) to flow junction point = 4 m³/h (scale 1).
Read: Kv = 40

Example 3: **Determine the pressure drop**
Data: Flow: 2000 m³/h; Kv: 600; density: 0,7
Solutión: Start from flow = 2000 m³/h (scale 2)
Read: **pressure drop = 8 bar** (scale 2)



1359-FS-04

WATER & GLYCOLED WATER STRAINERS

"OTHER GENERAL PURPOSE STRAINERS"

1. GLYCOLED-WATER STRAINERS with "BSP" CONNECTIONS

1359-FS-04	**STRAINER**	**1/2"** BSP	6 KV
1359-FS-06	**STRAINER**	**3/4"** BSP	12 KV
1359-FS-08	**STRAINER**	**1"** BSP	19 KV
1359-FS-10	**STRAINER**	**1 1/4"** BSP	40 KV
1359-FS-12	**STRAINER**	**1 1/2"** BSP	40 KV
1359-FS-16	**STRAINER**	**2"** BSP	65 KV

DESCRIPTION

- General purpose gray cast body and basket type filtering element wit stainless steel ***double MESH***. Available from stock.
- Particle retention capacity from **100 microns** (its design feature guarantees **100%** filtration to the fluid.
- Suitable for ***WATER*** and ***GLYCOL WATER*** (and other fluids non corrosive for monel, steel and ductile iron).
- Other special bronze, carbon steel or stainless steel connections upon request.
- Flanged cover with drainage plug and threaded access.
- Connections: ***female "BSP"*** straight threaded connections
- Female ***"NPT"*** connections upon request (add suffix ***"T"***)
- Maximum working pressure: **10 bar** (145 Psi)
- Maximum working temperature: **180°C** (356°F)

DIMENSIONS AND REPARATION KITS

	A (mm)	B (mm)	C (mm)	D	REPARATION KIT
1359-FS-04	80	60	16	R 1/2"	**K59-S1**
1359-FS-06	100	78	18	R 3/4"	**K59-S2**
1359-FS-08	120	95	21	R1"	**K59-S3**
1359-FS-10	150	121	32	R1 1/2"	**K59-S4**
1359-FS-12	150	121	32	R1 1/2"	**K59-S4**
1359-FS-16	180	165	39	R2"	**K59-S5**

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Fax: +32 3 766 10 67

MOISTURE LIQUID INDICATORS

"MULTI-POSITIVE DIAGNOSIS"

FEATURES
- Heavy forged brass body. Brass or copper fittings.
- Clear fused glass window. Color scale for multi-positive *LIQUID* and *MOISTURE READINGS* of the refrigerant condition in air-conditioning or refrigeration systems.

SPECIFICATIONS
- For **R12, R22, R502, R134a, R404A, R407C, R507** and other blends with their specific oil and lubricant.
- Safe working pressure: **35 bar** (500 Psi).
- Minimum burst pressure: **175 bar** (2500 Psi).
- Maximum temperature rating: **+93°C** (+200°F).
- **U.L. listed:** SA-9566 and **CSA listed:** LR-100624.

INSTALLATION & RECOMMENDATIONS
- When installed, the moisture Indicator element will be *PINK*, indicating moisture in the ambiant atmosphere. Always, install it at the *OUTLET* of any drier and let the system operate at least **12 hours**. After such a delay, if the moisture element remains *PINK* or *LIGHT VIOLET*, install a new drier and continue to run the system until the element becomes *BLUE*.
- For moisture Indicators equipped with a replaceable cap assembly (**MI-CAP**),remove it before brazing. To replace any cap assembly **MI-CAP**, wrench tighten $^{1}/_{2}$ turn beyond handtight position or use a proper sealing torque of **34,3 N.m** approx or **3,5 kgm** or **25 ft.lbs**.

MOISTURE INDICATIONS
- Because of the different solubility limits expressed in **PPM of water** (Part Per Million), the color change will not occur at the same level for all refrigerants. Also, because the temperature of the refrigerant liquid will affect this solubility level, the color change will occur at a different level, according to the liquid temperature. Of course, the moisture color change does not occur until the moisture value stays under the solubility level.

NO MOISTURE
The solubility level is generally given (in PPM) by the manufacturer for each of its refrigerants. Under such a level, PPM's are completely solubilized and can not be detected. In such a state, refrigerants are considered perfectly dry and safe.

MOISTURE DIAGNOSIS
See our **1. MOISTURE COLOR TABLE** for a positive PPM moisture diagnosis of your system.

REVERSIBILITY
The color changes of our moisture Indicators are fully REVERSIBLE in the liquid line, offering a positive and permanent moisture reading.

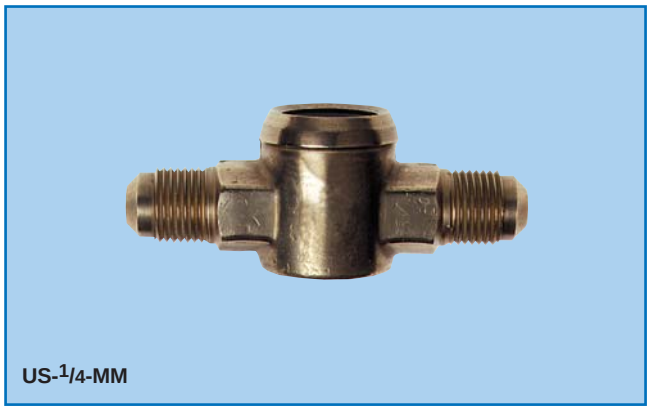
COLOR INDICATIONS
BLUE: Safe (no dangerous PPM of water in the line. (The refrigerant is dry and safe).
LIGHT VIOLET: Caution (you must change the drier now. The moisture reaches the solubility level).
PINK: Danger (dangerous moisture in the system).

OTHER INDICATIONS
DISCOLORED: Danger (system with excessive amount of water or containing liquid dehydrating agents or liquid leak detectors).
DARK GRAY/BLACK: Danger (oil separation problems).
BUBBLES: Danger (high pressure drop: clogged drier or solid cores, Loss of refrigerant, etc...).

REFRIG. TYPE	PPM MOISTURE CONTENT (Part Per Million)			
	TEMP. (°C/°F)	COLOR INDICATIONS		
		BLUE	LIGHT VIOLET	PINK
R12	24° / 75° 38° / 100° 52° / 125° 24° / 75°	< 5 <10 <15 <30	5 through 15 10 through 30 15 through 45 30 through 120	>15 >30 >45 >120
R22	38° / 100°	<45	45 through 180	>180
R500	24° / 75° 52° / 125°	<15 <60	15 through 60 60 through 240	>60 >240
R502	24° / 75° 38° / 100° 52° / 125°	<15 <25 <30	15 through 60 25 through 90 30 through 120	>60 >90 >120
R134a	24° / 75° 38° / 100° 52° / 125°	<15 <35 <50	15 through 80 35 through 120 50 through 150	>80 >120 >150
R404A	38° / 100° 52° / 125°	<25 <45	25 through 110 45 through 140	>110 >140

NOTE:
- ***BLUE*** column indicates the maximum PPM solubility level under which any refrigerant is considered as dry and safe (*PPM means Part Per Milion*). This is the maximum amount of water (*in PPM*) completely solubilized in the refrigerant involved.
- See right ***"COLOR INDICATIONS"*** explanations. Compare these *PPM* values with water retention capacities given (under their specific *PPM* level) for all *LIQUID FILTER DRIERS, SHELLS* and *CORES,* shown before.
- Above (<) means equal or below the *PPM* value.
- Above (>) means equal or above the *PPM* value.

2. SELECTION & ORDERING



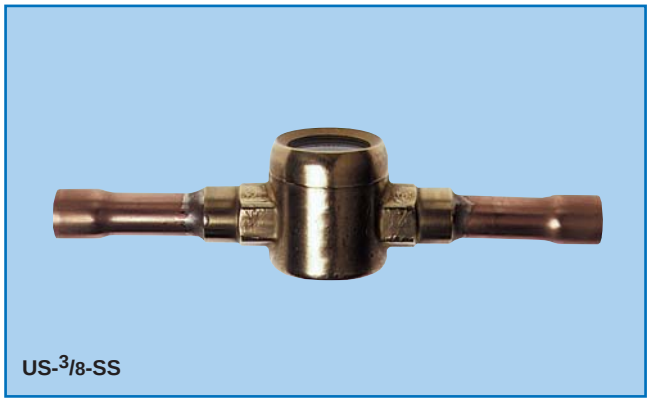
US-1/4-MM

MOISTURE INDICATORS
(MALE FLARE x MALE FLARE SAE)

US-1/4-MM	**INDICATOR** 1/4" m. flare x 1/4" m. flare 66 x 29 mm

MOISTURE INDICATORS
(MALE FLARE x FEMALE SAE)

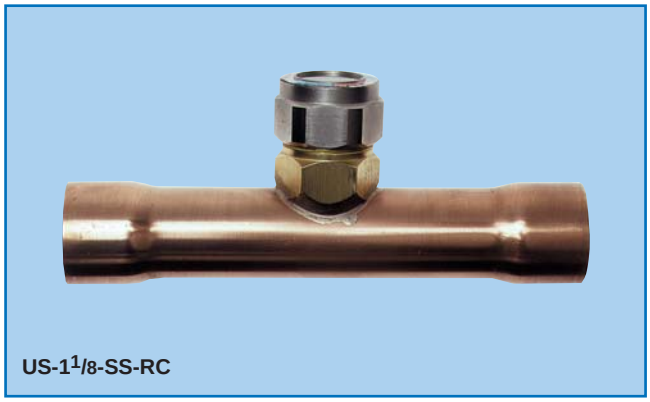
US-1/4-MF	**INDICATOR** 1/4" m. flare x 1/4" f. flare 65 x 33 mm



US-3/8-SS

MOISTURE INDICATORS
(O.D.S. SOLDER x O.D.S. SOLDER)

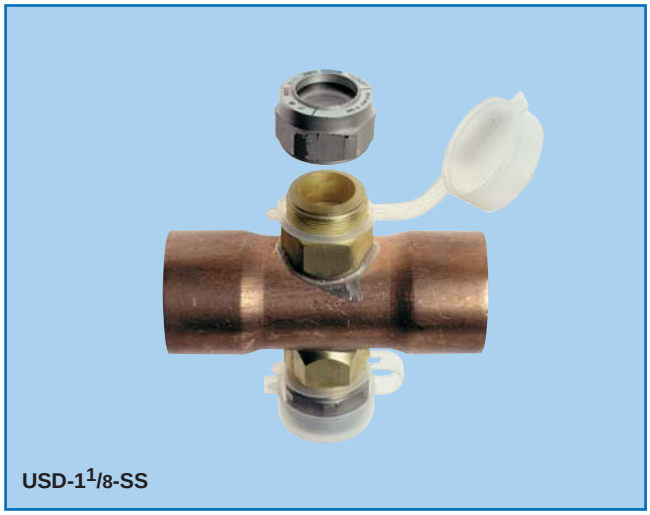
US-3/8-SS	**INDICATOR** 3/8" O.D.S. x 3/8" O.D.S. 120 x 28 mm
US-1/2-SS	**INDICATOR** 1/2" O.D.S. x 1/2" O.D.S. 124 x 33 mm
US-5/8-SS	**INDICATOR** 5/8" O.D.S. x 5/8" O.D.S. 124 x 35 mm



US-1 1/8-SS-RC

MOISTURE INDICATORS with "MI-CAP" REPLACEABLE HEAD
(O.D.S. SOLDER x O.D.S. SOLDER)

US-1 1/8-SS-RC	**INDICATOR** 1 1/8" O.D.S. x 1 1/8" O.D.S. 160 x 63 mm



USD-1 1/8-SS

MOISTURE INDICATORS WITH REPLACEABLE DOUBLE HEADS
(O.D.S. SOLDER x O.D.S. SOLDER)

USD-1 1/8-SS	**INDICATOR** 1 1/8" O.D.S. x 1 1/8" O.D.S. 160 x 63 mm
USD-1 3/8-SS	**INDICATOR** 1 3/8" O.D.S. x 1 3/8" O.D.S. 181 x 68 mm
USD-1 5/8-SS	**INDICATOR** 1 5/8" O.D.S. x 1 5/8" O.D.S. 200 x 74 mm
USD-2 1/8-SS	**INDICATOR** 2 1/8" O.D.S. x 2 1/8" O.D.S. 220 x 87 mm
USD-2 5/8-SS	**INDICATOR** 2 5/8" O.D.S. x 2 5/8" O.D.S. 240 x 96 mm

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Fax: +32 3 766 10 67
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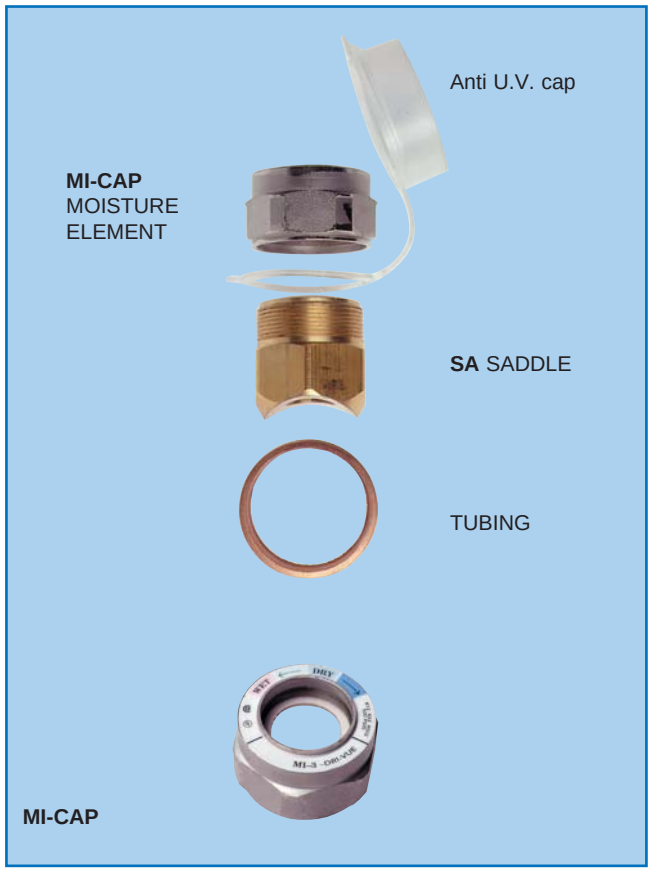
SADDLE TYPE BRASS BODIES
(DIRECT SOLDERING ON TUBING WITHOUT CUTTINGS)
(SADDLE GROOVE CONNECTIONS)

SA-1 1/8	To be soldered on any **1 1/8" Ø** tubing
SA-1 3/8	To be soldered on any **1 3/8" Ø** tubing
SA-1 5/8	To be soldered on any **1 5/8" Ø** tubing
SA-2 1/8	To be soldered on any **2 1/8" Ø** tubing

REPLACEABLE STD CAP MOISTURE ELEMENT
(FOR ALL ABOVE SADDLES and MI-SS INDICATORS)

MI-CAP	Standard replaceable element ready to be screwed on all above **saddles** and **MI-SS** (Tightening torque **3,5 kgm** or **25 ft.lbs**)



LIQUID SIGHT GLASSES WITH FLOATING BALL

"SUITABLE FOR ALL REFRIGERANTS, STEEL PLATED"

BSG-104	**SERVICE LIQUID SIGHT GLASS** 1/2" MPT (NPT male pipe)
BSG-106	**SERVICE LIQUID SIGHT GLASS** 3/4" MPT (NPT male pipe)
BSG-108	**SERVICE LIQUID SIGHT GLASS** 1" MPT (NPT male pipe)
BSG-110	**SERVICE LIQUID SIGHT GLASS** 1 1/4" MPT (NPT male pipe)
BSG-112	**SERVICE LIQUID SIGHT GLASS** 1 1/2" MPT (NPT male pipe)
BSG-116	**SERVICE LIQUID SIGHT GLASS** 2" MPT (NPT male pipe)

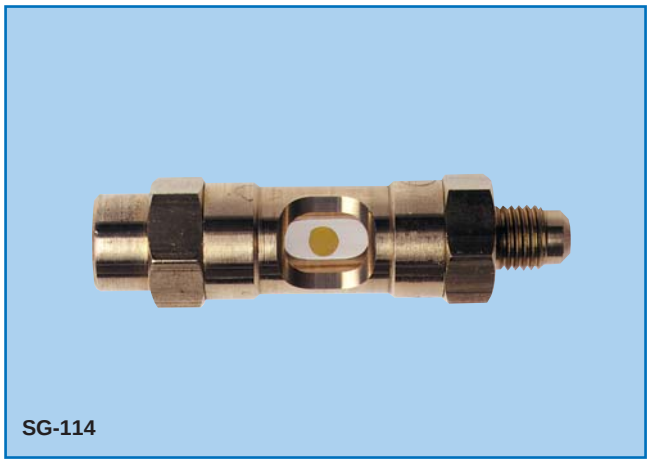
BSG-M2615	**OEM LIQUID SIGHT GLASS** M26 x 1,5
BSG-M3615	**OEM LIQUID SIGHT GLASS** M36 x 1,5
BSG-M522	**OEM LIQUID SIGHT GLASS** M52 x 2

DESCRIPTION
- Screw type sight glass with floating ball.
- Can be used for liquid level control in receivers.
- Floating ball allows to see exact level.
- Maximum service pressure: **40 bar** (580 Psi).
- Maximum service temperature: **-40°C to +100°C** (-40°F to +212°F).
- For all CFC, HCFC and HFC refrigerants, oils and NH_3.

INSTALLATION
- NPT male pipe thread or male metric thread.
- NPT type sight glasses also fit in our saddle mountings FPT "BS" on page 146.
- Very easy to install on tubes, receivers etc.
- It is possible to install 2 sight glasses opposite to each other.

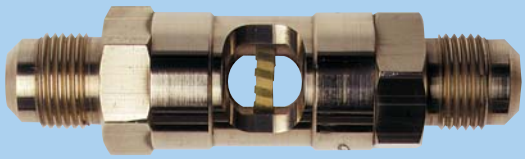
EYE SIGHT GLASSES

"IF YOU WANT TO KNOW FOR SURE"

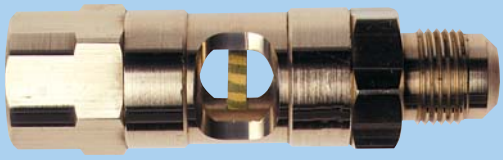


SG-114

SG-118R



SG-204R



SG-260R

1. LIQUID EYE SIGHT GLASSES

SG-110	**SIGHT GLASS** 1/4" male fl. x 1/4" male fl.	L = 80 mm
SG-111	**SIGHT GLASS** 3/8" male fl. x 3/8" male fl.	L = 86 mm
SG-204	**SIGHT GLASS** 1/2" male fl. x 1/2" male fl.	L = 100 mm
SG-205	**SIGHT GLASS** 5/8" male fl. x 5/8" male fl.	L = 105 mm
SG-114	**SIGHT GLASS** 1/4" male fl. x 1/4" fem. fl.	L = 78 mm
SG-115	**SIGHT GLASS** 3/8" male fl. x 3/8" fem. fl.	L = 83 mm
SG-206	**SIGHT GLASS** 1/2" male fl. x 1/2" fem. fl.	L = 94 mm
SG-207	**SIGHT GLASS** 5/8" male fl. x 5/8" fem. fl.	L = 102 mm
SG-118	**SIGHT GLASS** 1/4" O.D.S. x 1/4" O.D.S.	L = 185 mm
SG-119	**SIGHT GLASS** 3/8" O.D.S. x 3/8" O.D.S.	L = 197 mm
SG-208	**SIGHT GLASS** 1/2" O.D.S. x 1/2" O.D.S.	L = 197 mm
SG-209	**SIGHT GLASS** 5/8" O.D.S. x 5/8" O.D.S.	L = 197 mm

FEATURES

- The brass body ***"see-through"*** feature that is more readable than other sight glasses. No restriction (full flow).
- The dot on the tube is magnified when, the tube is full of liquid to give you a quick and positive indication.
- The ***"in line"*** *PYREX* glass is shock resistant and expansion compensated.
- **U.L. listed** (n° SA-5506)
- MWP 20,80 Bar (302 Psi)

INSTALLATION

- Male flare x male flare SAE or male flare x female flare SAE
- O.D.S. x O.D.S. solder type. Vertical or horizontal installation.

2. MOISTURE SIGHT GLASSES

SG-110R	**SIGHT GLASS** 1/4" male fl. x 1/4" male fl.	L = 80 mm
SG-111R	**SIGHT GLASS** 3/8" male fl. x 3/8" male fl.	L = 86 mm
SG-204R	**SIGHT GLASS** 1/2" male fl. x 1/2" male fl.	L = 100 mm
SG-205R	**SIGHT GLASS** 5/8" male fl. x 5/8" male fl.	L = 105 mm
SG-114R	**SIGHT GLASS** 1/4" male fl. x 1/4" fem. fl.	L = 78 mm
SG-115R	**SIGHT GLASS** 3/8" male fl. x 3/8" fem. fl.	L = 83 mm
SG-206R	**SIGHT GLASS** 1/2" male fl. x 1/2" fem. fl.	L = 94 mm
SG-207R	**SIGHT GLASS** 5/8" male fl. x 5/8" fem. fl.	L = 102 mm
SG-118R	**SIGHT GLASS** 1/4" O.D.S. x 1/4" O.D.S.	L = 185 mm
SG-119R	**SIGHT GLASS** 3/8" O.D.S. x 3/8" O.D.S.	L = 197 mm
SG-208R	**SIGHT GLASS** 1/2" O.D.S. x 1/2" O.D.S.	L = 197 mm
SG-209R	**SIGHT GLASS** 5/8" O.D.S. x 5/8" O.D.S.	L = 197 mm

FEATURES

- The brass body ***"see-through"*** feature provides an easy and quick indication of moisture in all refrigerants.
- ***MOISTURE:*** A few hours after installlation, the "***reactor"*** will stabilize, alternating *GREEN* and *YELLOW* bands.
- ***NO MOISTURE:*** You will see permanent *GREEN* bands.
- No restriction (full flow).
- The ***"in line"*** *PYREX* glass is shock resistant and expansion compensated.
- **U.L. listed** (n° SA-5506).
- MWP 20,80 Bar (302 Psi)

INSTALLATION

- Male flare x male flare SAE or male flare x female flare SAE.
- O.D.S. x O.D.S. solder types. Vertical or horizontal installation.

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OIL SEPARATORS

"ADVANCED OEM'S TECHNOLOGY"

SPECIFICATIONS

- Suitable for **R12**, **R22**, **R505**, **R134a**, **R404A**, **R507** as well as all **CFC**, **HCFC** and **HFC** and their specific lubricants.
- MAXIMUM WORKING PRESSURE: **31 bar** (450 Psi).
- BURST PRESSURE: **175 bar** (2500 Psi).
- MAX. WORKING PRESSURE FOR STAINLESS STEEL OIL FLOAT: **62 bar** (880 Psi).
- MAX WORKING PRESSURE FOR RETURN OIL FLOAT MECANISM: **28 bar** (400 Psi).
- CONNECTIONS: ***"ODS"*** for copper tubing.
  "FPT" for female national pipe thread.
- OIL RETURN CONNECTION: **3/8" flare male SAE** (on top).
- Ferrous metals and other particles present in the refrigerant/oil mixture are trapped by copper fine mesh screens at inlet and outlet and a magnetic pin inside the separator itself.
- A special baffle-plate prevents oil being carried over with the leaving refrigerant.
- **U.L. listed** (N° SA-7175) & **CSA listed** (N° LR-100624).

WHY ?

- A properly sized oil separator will efficiently separate all oil from the refrigerant vapour (high pressure side) and return this oil back to the compressor unit (low pressure side).
- As a result, the following advantages will be achieved:
  - A constant oil level in the compressor crankcase.
  - An extended compressor life time.
  - A clean and well balanced refrigerant circuit with an effective heat transfer in the evaporator and condensor.

HOW ?

- The refrigerant vapour will always contain oil vapour/liquid and therefore, the "***ITE***®" OIL SEPARATORS are designed to operate:
  - A positive tornado change in the direction of the vapour mixture results in an initial separation of heavier oil particles.
  - The initial high velocity reduction of the oil vapour/liquid results in an oil condensation against the separator innerwall.
  - The oil returns through a float mechanism, back to the compressor crankcase.
  - Only clean refrigerant vapour continues towards the condenser under its original velocity.

SELECTION

- The OIL SEPARATOR should be positioned in the discharge line between Compressor and condenser and be securely mounted in a vertical position (refer to instruction sheet **801-GB**).

1-CONNECTIONS:

Inlet and outlet connections must be the same size (or larger) than the discharge line (not under).

2-NOMINAL CAPACITY/VOLUME:

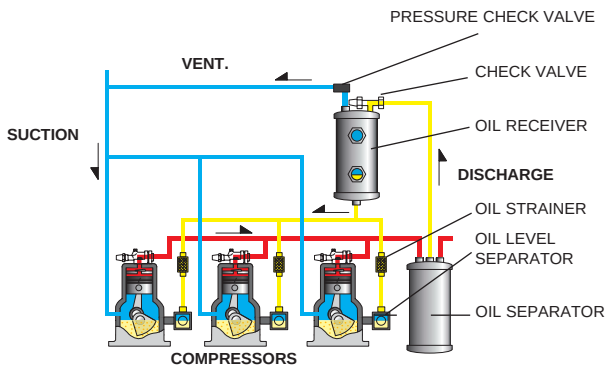
The efficiency of separation depends very much on the nominal capacity/volume ratio of the separator (see the capacity table).
Therefore in multi-compressor unit running at full output, a single separator might do properly the job. However, in case of power reduction (one or more compressors being switched off) the separator will be oversized and less efficient during that time.
In such a case, more than one separator should be considered and selected in accordance with the various requirements of the power reduction situation.

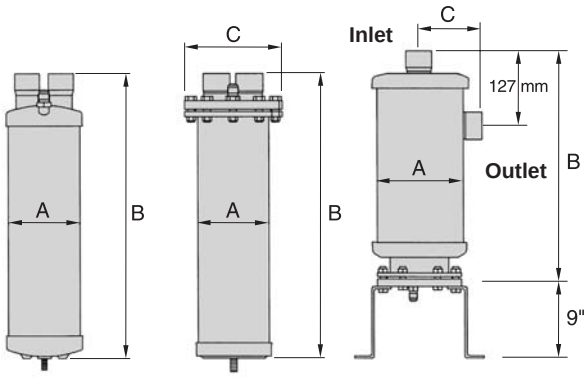
3-OIL PRE-CHARGE:

After installation and before starting, do not forget the oil pre-charging.
Fill the separator with the suitable oil pre-charge (see the table).

ite-tools.com

"OIL RETURN SYSTEM" IN FIVE STEPS





"OS" Series *"OSC" Series* *"SA" Series*

SELECTION - CAPACITY TABLE - ORDERING

- ***NOMINAL CAPACITIES ACCORDING TO EVAPORATING TEMPERATURES***
- ***CAPACITIES SHOWN IN kW (1 kW = 860 Fg/h = 0,284 US TON OF REFRIGERATION)***

"OS" COMPACT SERIES

PART NR.	END CONN.	DIMENSIONS (mm)			R22		R502		R134a		R404A R507		Maxi Flow	Initial Charge	Weight
TYPE S	(ODS)	A	B	C	-40°C	+5°C	-40°C	+5°C	-40°C	+5°C	-40°C	+5°C	(m^3/h)	(cl)	kg
OS-81	3/8"	102	210	-	3,5	5,3	3,5	5,3	2,6	3,5	3,5	5,3	1,7	34	2,3
OS-82	1/2"	102	261	-	5,3	7,1	5,3	7,1	3,5	5,3	5,3	7,0	2,5	34	2,7
OS-85	5/8"	102	362	-	15,8	19,3	16,7	20,2	10,5	14,1	14,1	19,3	6,8	34	3,2
OS-87	7/8"	102	451	-	24,6	28,1	26,4	29,9	15,8	19,3	22,8	29,9	11,0	34	4,1
OS-88	1 1/8"	102	534	-	31,6	36,9	33,4	40,4	21,1	26,4	28,9	38,7	13,6	34	4,6
OS-90	1 3/8"	102	540	-	40,4	47,5	41,2	51,0	28,2	33,4	36,9	49,2	17,0	34	4,6

"OSC" CLEANABLE SERIES

OSC-85	5/8"	102	362	139,7	15,8	19,3	16,7	20,2	10,5	14,1	14,1	19,3	6,8	34	5,0
OSC-87	7/8"	102	451	139,7	24,6	28,1	26,4	29,9	15,8	19,3	22,8	29,9	10,2	34	6,0
OSC-88	1 1/8"	102	534	139,7	31,6	36,9	33,4	40,4	21,1	26,4	28,9	38,7	13,6	34	6,4
OSC-90	1 3/8"	102	540	139,7	40,4	47,5	42,2	51,0	28,2	33,4	36,9	49,2	17,0	34	6,4
OSC-92	1 5/8"	102	553	139,7	42,2	49,2	45,7	52,7	38,7	45,8	53,0	67,0	23,8	34	6,4

"SA" HIGH CAPACITY CLEANABLE SERIES

SA-507	2 1/8"	152	486	-	87,9	105,4	105,4	123,0	63,3	74,0	84,4	109,0	38,3	85	9,0

REMARKS:

- Before the Oil Separator is installed, an initial charge of oil (same oil that is in the compressor) should be added to it to supply the amount that is held over in the sump of this Separator. See this amount in the Capacity Table expressed in Centilitres (**34 Cl =** 0,3 Quart & **85 Cl =** 0,75 Quart).
- Also note: **1 m^3/h =** 0.59 CFM and **1 Kg = 2.2 Lbs**
- ALL Capacities shown are based on **+38°C (+100°F)** Condensing Temperature and **+18°C (+65°F)** Suction Gas Temperature and on connection size being same as Compressor discharge Valve.
- If necessary, contact *" ITE® " nv* for **"Selection"** and/or **"Oil Return System"** arrangement in 5 Steps.

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" ITE " OIL LEVEL CONTROLS

OIL LEVEL CONTROLS

- These oil level controls maintain the oil level in the compressor crankcase at 1/2 or 1/4 glass.
- Designed to attach directly to the sight glass place on compressor crankcases.
- The sight glass from the compressor must be bolted to the second oil level control flange.
- The oil supply line from the oil receiver must be connected directly to the 3/8" male flare SAE or better thru the angle service valve 3/8" female swivel x 3/8" male flare (OAV-06FS).
- If the crankcase compressor housing is different than the oil level control flange, use the adaptor kit.
- Each oil level control is equipped with a complete gasket kit and bolts necessary to the fitting.

STANDARD OIL LEVEL CONTROL

OLC-12	**OIL LEVEL CONTROL,** oil level 1/2 glass, Pressure differential: 0,35 to 2,1 bar

- Fixing flange: 3 bolts
- Bolts axe diameter: 47,6 mm

SPECIAL OIL LEVEL CONTROL FOR BITZER COMPRESSOR ONLY

OLC-B12	**OIL LEVEL CONTROL,** oil level 1/2 glass, Pressure differential: 0,35 to 2,1 bar

- Fixing flange: 4 bolts
- Bolts axe diameter: 50,6 mm

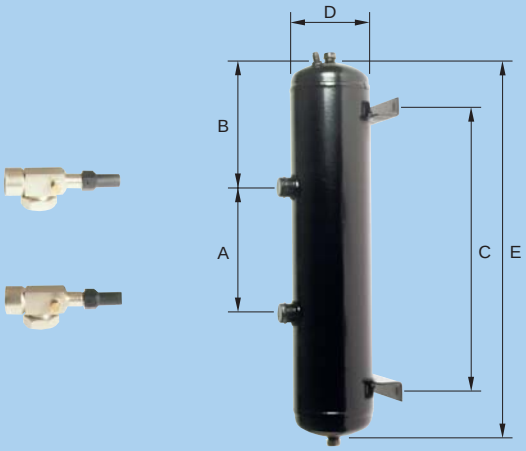
OLC-12

OLC-B12

OIL RECEIVERS - VERTICAL

- It is recommended to keep an oil reserve to avoid any oil foaming in the compressor crankcases.
- Oil remains in the receiver enabling the oil level control to operate properly and ensure a correct oil distribution towards each compressor crankcase.
- Supplied with 2 rotaloc valves with backseating that fit the top and bottom receiver connections. Each rotaloc valve provides a regular 3/8" male flare SAE connection and an extra 1/4" male flare SAE port (with cap) to allow filling or emptying of oil from the receiver
- Oil receivers have 2 sight glasses with incorporated ball
- Extra 3/8" male flare SAE connection on top for check-valve connection

PART NUMBER	LITRES	A	B	C	D	E
ORV-08	8	160	160	360	152	480
ORV-12	12	236	236	532	152	710
ORV-15	15	300	300	575	152	900



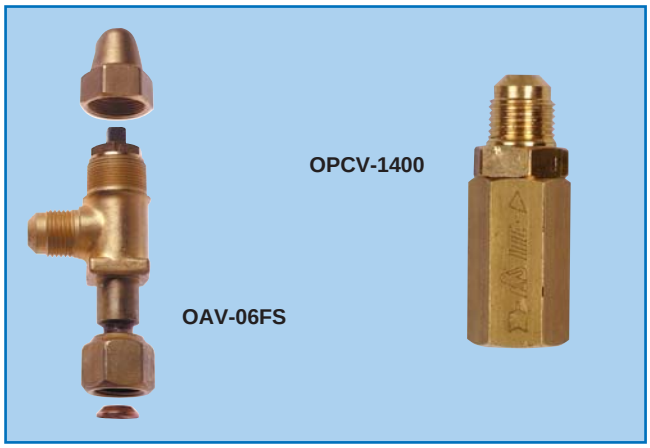
ORV-08

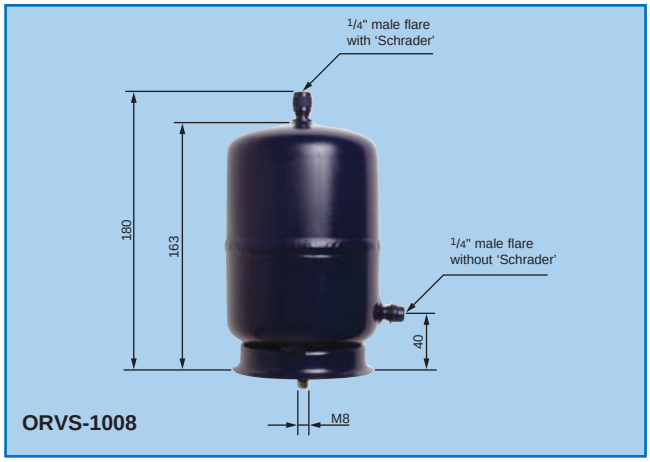
STRAINERS

- These strainers stop the migration of all small dirt particles to the oil level control or compressor, filtration 150 microns.
- Allow a very good straining with a low pressure drop.
- It is recommended to use one strainer for each oil level control. If not, please use **OST-2270**, same as **OST-700** but with a bigger filtration surface.
- Strainer **OFD-553** is specially built for POE oil filtration.
- Offers a very big filtration surface (227 cm^2) and is filled with 131 cm^3 XH-9 desiccant for high moisture removal.
- This strainer also offers a very high capacity with a low pressure drop.
- **3/8" male flare SAE** connection (same as oil line).

PART NUMBER	CONNECTIONS	SURFACE OF FILTRATION (cm^2)	FILTRATION CAPACITY (µ)
OST-700	3/8" male flare	70	150
OST-2270	3/8" male flare	227	150
OFD-553	3/8" male flare	227	30

OFD-553





PRESSURE CONTROL VALVE

OPCV-1400 **PRESSURE CONTROL VALVE,** Δp: 1,40

- This control valve is installed between the oil receiver and the suction line. It must be installed on the 3/8" male flare connection of the oil receiver.
- Ensures a pressure differential of 1,4 bar between the oil receiver and the suction line and allows a correct oil supply for the oil level controls.
- Connection Inlet: **3/8 " female flare**
  Outlet: **3/8 " male flare**

SERVICE ANGLE VALVE

OAV-06FS **ANGLE VALVE**
3/8" female swivel x 3/8" male flare

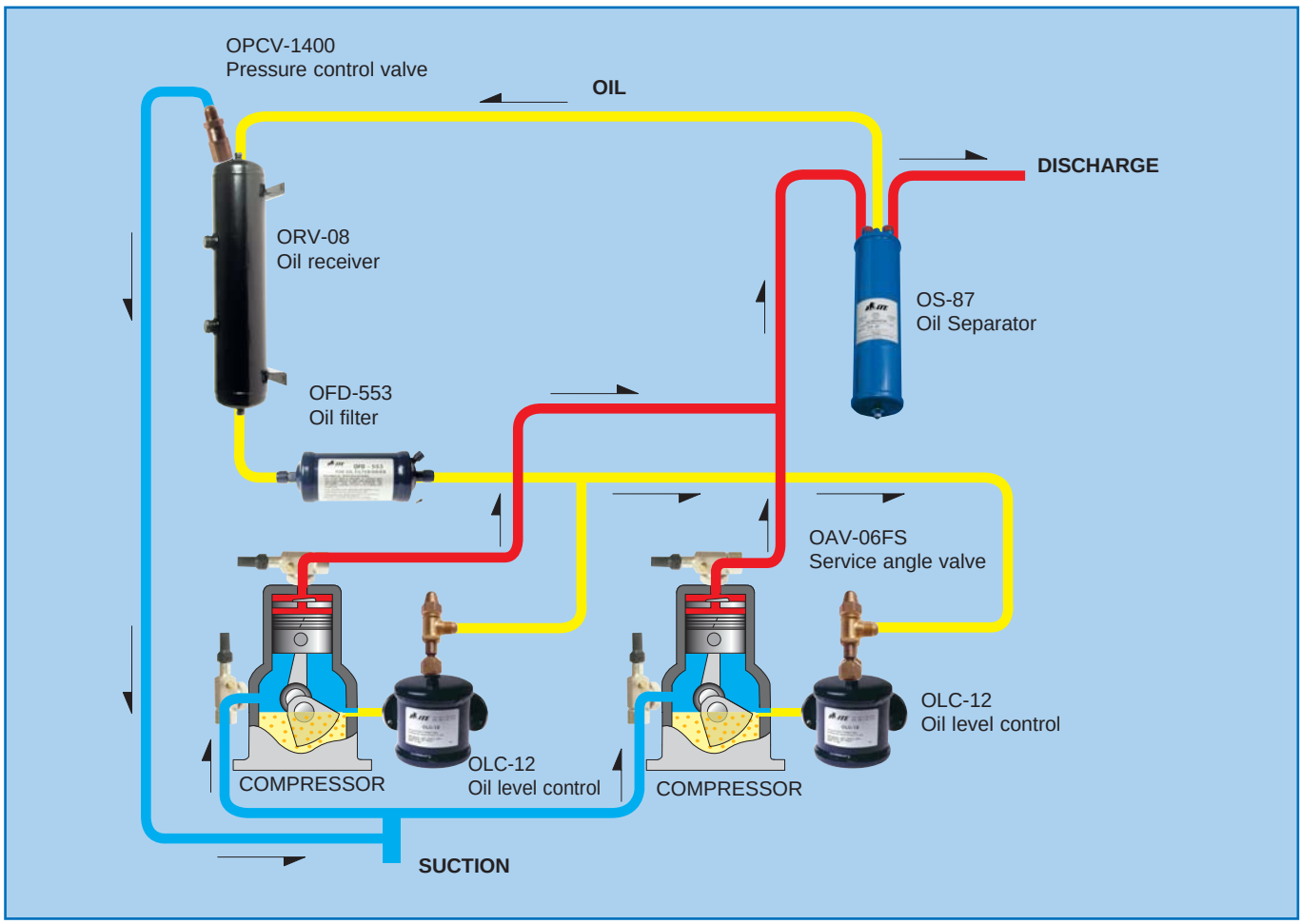
- This service angle valve can be mounted on inlet connection (or others) of oil level controls.
- Oil line can be isolated when servicing compressor, strainer, oil level control etc.
- This strongly built valve is equipped with a 3/8" female flare connection swivel allowing a 360° positioning of the valve.

OIL RECEIVER - VERTICAL

ORVS-1008 **VERTICAL OIL RECEIVER 0,8 l**

- Suitable for all **CFC, HFC** and **HCFC** refrigerants
- Working temperature: **-10°C** to **+100°C**
- Maximum working pressure: **32 bar**
- Also available with sight glass and safety relief valve upon request
- **PED** and **CE** certified
- Diameter: 101 mm
- Equipped with 1/4" male flare top connection with schrader valve and 1/4" male flare side connection without schrader valve

Other receivers available upon request.



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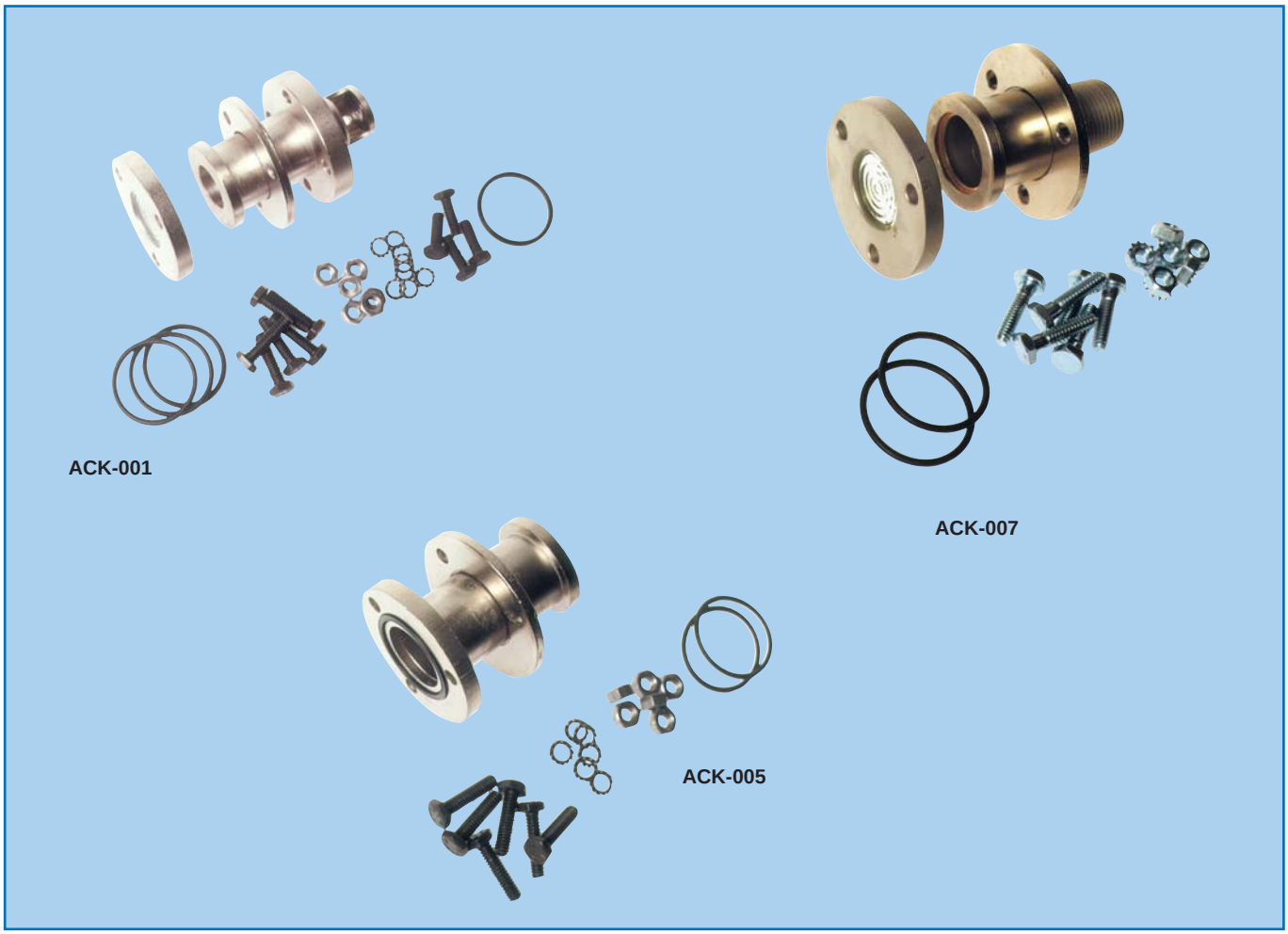
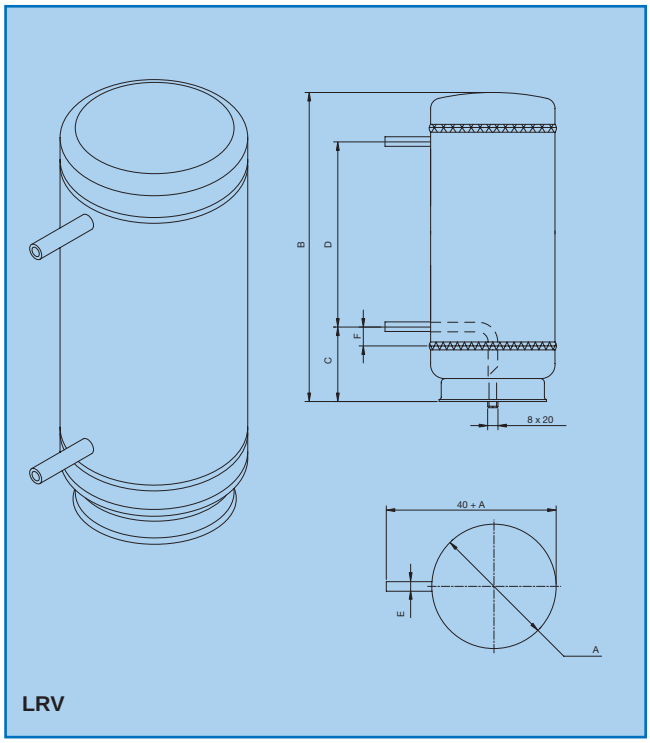


COMPRESSOR ADAPTER KITS

COMPRESSOR KIT	COMPRESSOR MANUFACTURER	COMPRESSOR MODEL	SIGHT GLASS VERSION
ACK-001 **ACK-008**	BITZER BITZER	2, 4, 6 new version	Flange, 4 bolts Ø 50 mm 1 1/8" - 18 (thread)
ACK-003 **ACK-004**	CARRIER CARRIER	DA, DR, 5F, 5H, O6D EA, ER, OBE, OBCC	1 1/2" - 18 (thread) Flange, 3 bolts Ø 47,6 mm
ACK-007 **ACK-004** **ACK-005**	Copeland DWM Copeland DWM Copeland	ZR 90 K to ZR 19 M, ZF, ZS, scroll D2, D3, D9, D4, D6 except D6C D8, 8CC	3/4" NPT (thread) Flange, 3 bolts Ø 47,6 mm Flange, 3 bolts Ø 47,6 mm
ACK-004	Dunham-Bosh	B4	Flange, 3 bolts Ø 47,6 mm
ACK-004	Frascold	All versions	Flange, 3 bolts Ø 47,6 mm
ACK-008	Maneurop	MT, LT ...	1 1/8" - 18 (thread)
ACK-004 **ACK-005**	Prestcold Prestcold	P2, P3, PR, P4, P6 P8	Flange, 3 bolts Ø 47,6 mm Flange, 3 bolts Ø 47,6 mm
ACK-007	Royce	All versions	3/4" NPT (thread)
ACK-004 **ACK-007**	Trane Trane	M, R, K	Flange, 3 bolts Ø 47,6 mm 3/4" NPT (thread)
ACK-004	York	GC, GS, JS	Flange, 3 bolts Ø 47,6 mm



LRV

LIQUID RECEIVERS

LRV-1018	**VERTICAL LIQUID RECEIVER 1,8l**
LRV-1039	**VERTICAL LIQUID RECEIVER 3,9l**
LRV-1092	**VERTICAL LIQUID RECEIVER 9,2l**

SPECIFICATIONS

- Suitable for all **CFC, HFC** and **HCFC** refrigerants
- Working temperature: **-10°C** to **+100°C**
- Maximum working pressure: **32 bar**
- Also available with connection for sight glass and safety relief valve upon request
- **PED** - **CE certified**

DIMENSIONS

Part Number	A	B	C	D	E	F
LRV-1018	101	252	66	140	Ø 8 x 1	25
LRV-1039	121	420	77	276	Ø 10 x 1	24
LRV-1092	168	487	92	295	Ø 12 x 1	35

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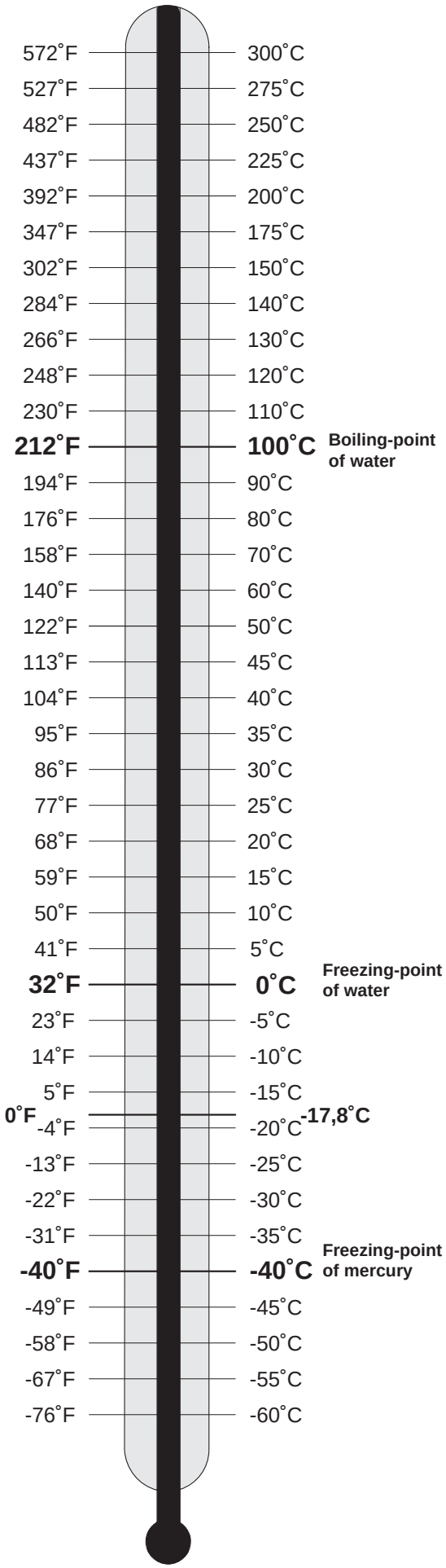
CONVERSION TABLES

TEMPERATURE

°F = °C x 1,8 + 32
°C = (°F - 32) / 1,8



COMMON THREADS

Thread UNF	US Spec. SAE	O.D. (max.size) mm	Core dia. (min size) mm	Pitch nr. per inch	Pitch mm
7/16" - 20 UNF	1/4" SAE	11,079	9,738	20	1,270
1/2" - 20 UNF	5/16" SAE	12,667	11,328	20	1,270
5/8" - 18 UNF	3/8" SAE	15,839	14,348	18	1,411
3/4" - 16 UNF	1/2" SAE	19,012	17,330	16	1,588
7/8" - 14 UNF	5/8" SAE	22,184	20,262	14	1,814
1 1/16" - 14 UNF	3/4" SAE	26,947	25,024	14	1,814
1 1/8" - 12 UNF	-	28,529	26,284	12	2,117
1 1/4" - 12 UNF	7/8" SAE	31,704	29,459	12	2,117
1 3/8" - 12 UNF	1" SAE	34,877	32,634	12	2,117
1 1/2" - 12 UNF	-	38,052	35,809	12	2,117

POWER

	kW	Watt	Kcal/h	BTU/h
1 kW	-	1000,000	860,000	3412,00
1 Watt	0,001000	-	0,860	3,41
1 Kcal/h	0,001163	1,163	-	3,95
1 BTU/h	0,000293	0,293	0,250	-

1 kW = 0,284 US tons of refrigeration

MEASURES

Linear measures

mm	x	0,039370	= inches	x	25,4000000	= mm
cm	x	0,393700	= inches	x	2,5400000	= cm
m	x	39,370000	= inches	x	0,0254000	= m
m	x	3,281000	= feet	x	0,3048000	= m
m	x	1,093600	= yards	x	0,9144000	= m
Km	x	3280,800000	= feet	x	0,0003048	= Km
Km	x	1093,600000	= yards	x	0,0009144	= Km
Km	x	0,621337	= miles	x	1,6094320	= Km

Square measures

mm^2	x	0,001550	= sq inches	x	645,2000000	= mm^2
cm^2	x	0,155000	= sq inches	x	6,4520000	= cm^2
m^2	x	10,764000	= sq feet	x	0,0929000	= m^2
m^2	x	1,196000	= sq yards	x	0,8361000	= m^2
Km^2	x	0,386100	= sq miles	x	2,5900000	= Km^2
ha	x	2,471000	= acres	x	0,4047000	= ha

Capacity

cm^3	x	0,061023	= cu inches	x	16,3870000	= cm^3
cm^3	x	0,033810	= fl ounces	x	29,5700000	= cm^3
l	x	61,023000	= cu inches	x	0,0163870	= l
l	x	0,035310	= cu feet	x	28,3170000	= l
l	x	0,264200	= U.S. gal	x	3,7850000	= l
l	x	0,220000	= Imperial gal	x	4,5440000	= l
m^3	x	35,314000	= cu feet	x	0,0283200	= m^3

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Weights

g	x	15,432000	= grains	x	0,06480	= g
g	x	0,035300	= oz	x	28,35000	= g
Kg	x	35,270000	= oz	x	0,02835	= Kg
Kg	x	2,204600	= lbs	x	0,45360	= Kg
Kg	x	0,001102	= U.S. tons (short)	x	907,20000	= Kg
Kg	x	0,000984	= long tons	x	1016,04800	= Kg

Flow

l/min	x	0,264200	= U.S. gallon/min	x	3,78500	= l/min
l/min	x	0,035310	= cfm	x	28,31700	= l/min
l/hr	x	0,004400	= U.S. gallon/min	x	227,10000	= l/hr
m^3/hr	x	0,588600	= cfm	x	1,69920	= m^3/hr
m^3/hr	x	4,402800	= U.S. gallon/min	x	0,22710	= m^3/hr
m^3/hr	x	16,670000	= l/min	x	0,06000	= m^3/hr

VACUUM

Boiling temperatures of water at converted pressures	Microns	Torr (mmHg)	mbar	Absolute pressure inches Hg ("HgA)	psia	% Vacuum
100°C	760000	760,000	1013,00000	29,92100	14,69600	0,0000
	750000	750,000	999,67000	29,52700	14,50300	1,3200
	700000	700,000	933,03000	27,55900	13,53600	7,8900
	600000	600,000	799,74000	23,62200	11,60200	21,0500
96,1°C	535000	535,000	713,01000	21,06000	10,35000	29,6000
	400000	400,000	533,18000	15,74800	7,73500	47,3700
80°C	355092	355,100	473,45600	13,98000	6,87000	53,2800
	300000	300,000	399,87000	11,81100	5,80100	60,5300
70°C	233680	233,680	311,57400	9,20000	4,52000	69,2600
60°C	149352	149,350	199,13400	5,88000	2,89000	80,3500
	100000	100,000	133,29000	3,93700	1,93400	86,8400
50°C	92456	92,460	123,28000	3,64000	1,79000	87,8300
	80000	80,000	106,63000	3,15000	1,54700	89,4700
	70000	70,000	93,30000	2,75600	1,35400	90,7900
	60000	60,000	79,97000	2,36200	1,16000	92,1100
40°C	55118	55,120	73,49400	2,17000	1,06615	92,7500
	40000	40,000	53,32000	1,57500	0,77300	94,7400
30°C	31750	31,750	42,33400	1,25000	0,61410	95,8200
	25400	25,400	33,86000	1,00000	0,49100	96,6600
	20000	20,000	26,66000	0,78740	0,38700	97,3700
15°C	12700	12,700	16,93400	0,50000	0,24560	98,3300
7,2°C	7620	7,620	10,16000	0,30000	0,14740	99,0000
-6,1°C	2540	2,540	3,38600	0,10000	0,04910	99,6600
	750	0,750	0,99970	0,02950	0,01450	99,9000
-31,1°C	254	0,254	0,33860	0,01000	0,00491	99,9665
-37,2°C	127	0,127	0,16930	0,00500	0,00246	99,9830
	10	0,010	0,01330	0,00039	0,00019	99,9987
	0	0,000	0,00000	0,00000	0,00000	100,0000

Conversion formulas

Torr (mmHg) = "HgA **x** 25,4
= psia **x** 51,7
= mbar **x** 0,75

HgAbsolute = mmHg**/**25,4
= psia **x** 2
= mbar **x** 0,0295

PRESSURE

	psi	kPa	kg/cm²	inches of Hg	mm of Hg	ounces per square inch	bar	mbar
1 psi	-	6,895	0,07031	2,0360	51,715	16,000	0,0689	68,948
1 kPa	0,1450	-	0,01020	0,2953	7,501	2,321	0,0100	10,000
1 kg/cm²	14,2233	98,067	-	28,9590	735,559	227,573	0,9807	1013,250
1 inch of Hg	0,4912	3,386	0,03453	-	25,400	7,858	0,0339	33,864
1 mm of Hg	0,0193	0,133	0,00136	0,0394	-	0,309	0,0013	1,333
1 ounce per square inch	0,0625	0,431	0,00439	0,1273	3,232	-	0,0043	4,309
1 bar	14,5038	100,000	1,01972	29,5300	750,063	232,061	-	1000,000
1 mbar	0,0145	0,100	0,00102	0,0295	0,750	0,232	0,0010	-

Tel : +32 3 766 02 02
Fax: +32 3 766 10 67

Supplier of Material and Training in several International Tenders organized by Official Associations such as UNIDO, UNDP, UNEP, CIPPI Prospect within the Framework of Phasing Out Ozone Depleting Substances Consumption.


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TERMS AND CONDITIONS OF SALE

1. All contracts and orders entered into and accepted by the Sellers are subject to the present conditions. Any conditions of purchase stipulated by the Purchasers ich could be in conflict with the present conditions will be inapplicable, unless Sellers accept in writing such conditions. The present conditions will enter into force in any event upon the silent acceptance of our order acknowledgement or invoice by the Purchasers.
2. Sellers quotations are without engagement. All orders, contracts or other understandings are valid only if they have been confirmed in writing by a duly authorized corporate officer of the Sellers.
3. Without prejudice to Sellers' legal rights in the event of breach of contract by Purchasers, Sellers reserves the right to suspend deliveries or at their option cancel unfulfilled part of contract in whole or part if Purchasers fail to fulfill any obligation there under or if by reason of Act of God, war, force majeure, governmental control, storm, fire, tempest, strikes, lockouts, inevitable accident or any other unforeseen circumstances outside their control, Sellers are prevented in whole or in part from performing their obligations under the contract. Partial deliveries by Sellers are permitted.
4. Delivery dates are approximate only and without engagement but every endeavor will be made to carry out Purchasers' requirements provided that all necessary information is given to Sellers at the time the order is placed.
5. Each delivery shall be considered as a separate contract and a failure of any delivery shall not vitiate the contract as to others. (Additionally the standard package quantities, shown in all price lists, should strictly be observed.) Sellers will automatically ship standard package as the smallest saleable unit.
6. Property in goods shall pass to Purchaser upon payment.
7. Unless Sellers or their principals agree to work to Purchasers' drawings and specifications, Seller's or their principal's normal tolerances and material specifications will apply.
8. Performance figures as given by Sellers are based upon manufacturers' experience but are not guaranteed.
9. Inspection and acceptance tests, if any, shall be carried out at the manufacturers premises. If the Purchaser fails to have the agreed inspection carried out and/or to be represented at the agreed acceptance tests, the goods shall be deemed to have been delivered in accordance with the specifications in the contract. If the agreement does not provide for inspection tests the goods will be deemed in conformity with the contract and accepted by the Purchasers, unless Purchasers notify Sellers in writing of deterioration of the products within 3 months following delivery of the products. If goods alleged to be apparently defective are returned to Sellers, carriage paid for examination with full statement of allegation within one month of delivery or such other period as Sellers may agree in writing or if Sellers agree that return of such goods is impracticable and are given the opportunity of examinating them in situ Sellers will repair or at their option replace free of charge such goods as they recognize to be defective owing to faulty material or workmanship and refund carriage on them. Subject only as stated in these conditions no warranty, condition or representation whatsoever is given or to be implied in connection with goods supplied under the contract. In the case of "hidden" defects such claims must be made within three months. In case of damage or loss caused by transportation Purchasers exclusive remedy shall be as provided for in article 22.
10. Sellers accept no responsibility for any loss, damage or injury howsoever caused arising out of or in connection with goods supplied under the contract nor for any consequential loss.
11. Payment terms are strictly 45 days net from invoice date unless otherwise stated. Payment at due date is a conditions precedent to subsequent delivery and time of payment is of the essence of the contract. Payment of Sellers' invoices will be made in U.S. Dollars or according to the currency in which our prevailing price lists are published unless otherwise agreed in writing. Transfer charges occurring at Purchasers' bank in his country are for Purchasers' account. The invoices shall bear interest as of their due date at a rate of interest which shall be 10% above the interest rate of the European Central Bank. The overdue amount shall further be increased with a lump indemnity equal to 10% of such overdue amount with a minimum of 50,00 EURO." Furthermore Sellers reserve the right to take lien on goods supplied in the event of accounts becoming overdue, notwithstanding other normal legal rights.
12. All drawings and specifications submitted to Purchasers remain Sellers property and must not be copied, disclosed to any third party or otherwise used without Sellers' written permission.
13. Unless otherwise specified, all packing cases and other containers are nonrefundable and packing is provided in accordance with Sellers' standard practice.
14. Sellers accept no responsibility where patterns, jigs, fixtures, drawings, specifications or other particulars supplied by Purchasers are inaccurate or in defective condition, and Purchasers shall indemnify Sellers against any loss suffered by Sellers by reason of such inaccuracy or defective condition.
15. Purchasers shall indemnify Sellers against all claims, demands, damages, penalties, costs and expenses to which Seller may become liable by reason of any infringement or alleged infringements of Letters Patent or registered design arising out of performance of a contract in accordance with Purchasers' specifications.
16. Delivery terms
    A. All shipments will be made Ex-Warehouse, St-Niklaas, Belgium.
    B. Minimum order amount to be accepted and processed without additional charges is 500 EURO net. For orders below 500 EURO, extra charges will be added.
17. When ordering state both article number and stock number.
18. Documents included:
    - packing list, 2 copies
    - invoice, 1 original and 1 copy
    - additional documents issued by ITE will be charged at 70 EURO per document. All other documents will be subject to quotation.
19. Sellers reserve the right to adjust prices. Thirty days after written notice has been issued, any such changes will become effective on shipments on orders received after date of price change. Possible clerical or typographical errors will be corrected without notice. Notice of price changes shall deemed to have been served on the date of dispatch by E-mail, mail or fax or other means to Purchasers' last known address.
20. Cancellation charges:
    - On orders for immediate delivery, 15% cancellation charges are applicable if cancellation is received after the date of order reception.
    - On scheduled orders, 15% cancellation charges are applicable if cancellation is received in the last 8 weeks before the scheduled delivery.
21. All returns of material should be authorized first by Sellers in writing. The return will be evaluated according to Sellers return goods policy (copies available on application).
22. Waiver by the Sellers of a breach of any terms and conditions of this contract by the Purchasers shall not be constitute a waiver of any other breach of the same or other term.
23. All commercial transactions to which these terms and conditions apply or which arise from the same are concluded or deemed concluded in Antwerp and are governed by Belgian law and the Antwerp practice of the trade insofar as they are not contrary to these terms and conditions. All controversies arising there from will be settled by the Courts of Antwerp. Sellers reserve the right at their sole option to bring any dispute before any Belgian or foreign Court which may have jurisdiction on the basis of the general principles concerning competence.

Copies of these conditions of sale are available in French, Dutch, German, Italian and Spanish.

Ces conditions de vente sont également disponibles en langue Française.

Diese Bedingungen sind ebenfalls verfügbar auf Deutsch.

Deze verkoopsvoorwaarden zijn ook beschikbaar in het Nederlands.

Condizione di vendita sono anche disponible in lingua Italiana.

Estas condiciones de ventas son disponibles también en Español.

ITE n.v. - Europark Oost 24 - 9100 Sint-Niklaas - Belgium
Tel : +32 3 766 02 02 - Fax : +32 3 766 10 67

Tel : +32 3 766 02 02
Fax: +32 3 766 10 67

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Part. nr.	Pdf file	
1002-BC	see	Service manifolds, gauges and charging hoses
1002-BC/247	see	Service manifolds, gauges and charging hoses
1002-BC/4	see	Service manifolds, gauges and charging hoses
1002-BC/447	see	Service manifolds, gauges and charging hoses
1002-BPC	see	Service manifolds, gauges and charging hoses
1002-BPC/410	see	Service manifolds, gauges and charging hoses
1002-BPC/410/27	see	Service manifolds, gauges and charging hoses
1003	see	Evacuating and charging equipment
1004-BC	see	Service manifolds, gauges and charging hoses
1004-BC/247	see	Service manifolds, gauges and charging hoses
1004-BC/4	see	Service manifolds, gauges and charging hoses
1004-BC/447	see	Service manifolds, gauges and charging hoses
1004-BPC	see	Service manifolds, gauges and charging hoses
1004-BPC/410	see	Service manifolds, gauges and charging hoses
1004-BPC/410/27	see	Service manifolds, gauges and charging hoses
100-B-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
100-B-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
100-B-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
100-B-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
1012-BC	see	Service manifolds, gauges and charging hoses
1012-BC/247	see	Service manifolds, gauges and charging hoses
1012-BC/4	see	Service manifolds, gauges and charging hoses
1012-BC/447	see	Service manifolds, gauges and charging hoses
1012-BPC	see	Service manifolds, gauges and charging hoses
1012-BPC/410	see	Service manifolds, gauges and charging hoses
1012-BPC/410/27	see	Service manifolds, gauges and charging hoses
1014-BC	see	Service manifolds, gauges and charging hoses
1014-BC/247	see	Service manifolds, gauges and charging hoses
1014-BC/4	see	Service manifolds, gauges and charging hoses
1014-BC/447	see	Service manifolds, gauges and charging hoses
1014-BPC	see	Service manifolds, gauges and charging hoses
1014-BPC/410	see	Service manifolds, gauges and charging hoses
1014-BPC/410/27	see	Service manifolds, gauges and charging hoses
101-B-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
101-B-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
101-B-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
101-B-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
1020-XFC	see	Copper tubes, coils & solder fittings (Inch & Metric)
102-B-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
102-B-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
103-B-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
103-B-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
103-B-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
103-B-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
103-FS	see	Tube working tools
104-B-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
1052-MK	see	Electronic measurement and control instruments
1084-BC	see	Service manifolds, gauges and charging hoses
1084-BC/247	see	Service manifolds, gauges and charging hoses
1084-BC/4	see	Service manifolds, gauges and charging hoses
1084-BC/447	see	Service manifolds, gauges and charging hoses
1084-BPC	see	Service manifolds, gauges and charging hoses
1084-BPC/410	see	Service manifolds, gauges and charging hoses
1084-BPC/410/27	see	Service manifolds, gauges and charging hoses
108-B-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
108-B-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
108-B-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
108-B-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
109-B-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
109-B-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
109-B-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
109-B-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
110-B-04x02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
110-B-06x02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
110-B-06x04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
110-B-08x02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
110-B-08x04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
110-B-08x06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
110-B-12x06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
110-B-12x08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
111-B-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
111-B-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
111-B-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
111-B-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
112-B-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
112-B-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
112-B-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
112-B-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
113-B-02x24	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
113-B-04x24	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
113-B-04x32	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
113-B-04x48	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
116-B-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
116-B-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
116-B-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
116-B-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
117-B-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
117-B-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
117-B-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
1184-BC	see	Service manifolds, gauges and charging hoses
1184-BC/247	see	Service manifolds, gauges and charging hoses
1184-BC/4	see	Service manifolds, gauges and charging hoses
1184-BC/447	see	Service manifolds, gauges and charging hoses
1184-BPC	see	Service manifolds, gauges and charging hoses
1184-BPC/410	see	Service manifolds, gauges and charging hoses

Part. nr.	Pdf file	
1184-BPC/410/27	see	Service manifolds, gauges and charging hoses
119-B-04x02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
119-B-06x04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
119-B-08x06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
120-B-02x02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
120-B-04x02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
120-B-04x04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
120-B-06x04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
120-B-06x06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
120-B-08x06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
120-B-08x08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
121-B-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
121-B-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
121-B-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
121-B-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
121-B-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
122-B-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
122-B-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
122-B-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
122-B-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
123-B-04x02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
123-B-06x04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
124-RW	see	Tube working tools
127-RW	see	Tube working tools
127-RWO	see	Tube working tools
1284-BC	see	Service manifolds, gauges and charging hoses
1284-BC/247	see	Service manifolds, gauges and charging hoses
1284-BC/4	see	Service manifolds, gauges and charging hoses
1284-BC/447	see	Service manifolds, gauges and charging hoses
1284-BPC	see	Service manifolds, gauges and charging hoses
1284-BPC/410	see	Service manifolds, gauges and charging hoses
1284-BPC/41027	see	Service manifolds, gauges and charging hoses
129-B-02x24	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
129-B-04x15	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
1335-BA-03	see	Fluid control components
1335-BA-04	see	Fluid control components
1335-BA-06	see	Fluid control components
1342-BA-06	see	Fluid control components
1342-BA-08	see	Fluid control components
1342-BA-12	see	Fluid control components
1342-BA-16	see	Fluid control components
1342-BA-20	see	Fluid control components
1342-BA-24	see	Fluid control components
1342-BT-06S06	see	Fluid control components
1342-BT-06S06	see	Fluid control components
1342-BT-06S07	see	Fluid control components
1342-BT-06S07	see	Fluid control components
1342-BT-06S09	see	Fluid control components
1342-BT-06S09	see	Fluid control components
1342-BT-08S09	see	Fluid control components
1342-BT-08S09	see	Fluid control components
1342-BT-08S11	see	Fluid control components
1342-BT-08S11	see	Fluid control components
1342-BT-12S13	see	Fluid control components
1342-BT-12S13	see	Fluid control components
1342-BT-12S17	see	Fluid control components
1342-BT-12S17	see	Fluid control components
1342-BT-16S17	see	Fluid control components
1342-BT-16S17	see	Fluid control components
1342-BT-16S21	see	Fluid control components
1342-BT-16S21	see	Fluid control components
1359-FS-04	see	Fluid control components
1359-FS-06	see	Fluid control components
1359-FS-08	see	Fluid control components
1359-FS-10	see	Fluid control components
1359-FS-12	see	Fluid control components
1359-FS-16	see	Fluid control components
1602-BC/410	see	Service manifolds, gauges and charging hoses
160-P2	see	Refrigeration accessories
160-P5	see	Refrigeration accessories
1612-BC/410	see	Service manifolds, gauges and charging hoses
1622-BC/410	see	Service manifolds, gauges and charging hoses
16801	see	Service manifolds, gauges and charging hoses
16802	see	Service manifolds, gauges and charging hoses
16803	see	Service manifolds, gauges and charging hoses
16-C	see	Service manifolds, gauges and charging hoses
16-C	see	Automatic access valves & fittings
174-F	see	Tube working tools
174-F-SP	see	Tube working tools
17-C	see	Automatic access valves & fittings
1802-A	see	Copper tubes, coils & solder fittings (Inch & Metric)
1802-B	see	Copper tubes, coils & solder fittings (Inch & Metric)
1802-BPC/410	see	Service manifolds, gauges and charging hoses
1802-XFC	see	Copper tubes, coils & solder fittings (Inch & Metric)
1803	see	Copper tubes, coils & solder fittings (Inch & Metric)
1812-BPC/410	see	Service manifolds, gauges and charging hoses
1822-BPC/410	see	Service manifolds, gauges and charging hoses
1827	see	Copper tubes, coils & solder fittings (Inch & Metric)
18-C	see	Automatic access valves & fittings
193-S	see	Tube working tools
193-S-SP	see	Tube working tools
195-FB	see	Tube working tools
195-FC	see	Tube working tools
195-FC-SP	see	Tube working tools
19-C	see	Automatic access valves & fittings

Part. nr.	Pdf file	
2001-VG	see	Service manifolds, gauges and charging hoses
2001-VG	see	Service manifolds, gauges and charging hoses
203-FA	see	Tube working tools
2041-BT-2	see	Fluid control components
2041-BT-2	see	Fluid control components
2041-BT-2S2	see	Fluid control components
2041-BT-2S2	see	Fluid control components
2041-BT-3	see	Fluid control components
2041-BT-3	see	Fluid control components
2041-BT-3S3	see	Fluid control components
2041-BT-3S3	see	Fluid control components
2041-BT-4	see	Fluid control components
2041-BT-4	see	Fluid control components
2041-BT-4S4	see	Fluid control components
2041-BT-4S4	see	Fluid control components
2041-BT-4S5	see	Fluid control components
2041-BT-4S5	see	Fluid control components
2041-BT-5	see	Fluid control components
2041-BT-5	see	Fluid control components
2041-BT-5S5	see	Fluid control components
2041-BT-5S5	see	Fluid control components
2041-BT-5S6	see	Fluid control components
2041-BT-5S6	see	Fluid control components
2041-BT-5S7	see	Fluid control components
2041-BT-5S7	see	Fluid control components
205-P06	see	Evacuating and charging equipment
205-P06	see	Refrigeration accessories
205-P1	see	Evacuating and charging equipment
205-P1	see	Refrigeration accessories
205-P4	see	Evacuating and charging equipment
205-P4	see	Refrigeration accessories
206-FB	see	Tube working tools
20-A	see	Automatic access valves & fittings
21702-0	see	Evacuating and charging equipment
21751	see	Evacuating and charging equipment
227-FA	see	Tube working tools
2444-RC	see	Refrigeration accessories
25563	see	Electronic measurement and control instruments
25860	see	Refrigeration accessories
25863	see	Refrigeration accessories
25869	see	Refrigeration accessories
25870	see	Refrigeration accessories
260-FHA	see	Tube working tools
268	see	Electronic measurement and control instruments
26880	see	Tube working tools
26-C	see	Automatic access valves & fittings
270-F-06	see	Tube working tools
270-F-08	see	Tube working tools
270-F-10	see	Tube working tools
270-F-12	see	Tube working tools
270-F-14	see	Tube working tools
270-F-16	see	Tube working tools
270-F-18	see	Tube working tools
271-F	see	Tube working tools
275-FS	see	Tube working tools
275-FSC	see	Tube working tools
275-FSM	see	Tube working tools
27805	see	Tube working tools
27806	see	Tube working tools
27806M	see	Tube working tools
27808	see	Tube working tools
27808M	see	Tube working tools
27810	see	Tube working tools
27810M	see	Tube working tools
27812	see	Tube working tools
27812M	see	Tube working tools
27814M	see	Tube working tools
27816M	see	Tube working tools
27818M	see	Tube working tools
27820M	see	Tube working tools
27-C	see	Automatic access valves & fittings
2802-BC	see	Service manifolds, gauges and charging hoses
2802-BC	see	Service manifolds, gauges and charging hoses
2802-BC/247	see	Service manifolds, gauges and charging hoses
2802-BC/27	see	Service manifolds, gauges and charging hoses
2802-BC/4	see	Service manifolds, gauges and charging hoses
2802-BC/447	see	Service manifolds, gauges and charging hoses
2802-BPC	see	Service manifolds, gauges and charging hoses
2802-BPC	see	Service manifolds, gauges and charging hoses
2802-BPC/410	see	Service manifolds, gauges and charging hoses
2802-BPC/410	see	Service manifolds, gauges and charging hoses
2802-BPC/410/27	see	Service manifolds, gauges and charging hoses
2802-BPC-1.0/410	see	Service manifolds, gauges and charging hoses
2802-G-BC	see	Service manifolds, gauges and charging hoses
2802-G-BC/247	see	Service manifolds, gauges and charging hoses
2802-G-BC/4	see	Service manifolds, gauges and charging hoses
2802-G-BC/447	see	Service manifolds, gauges and charging hoses
2802-G-BPC	see	Service manifolds, gauges and charging hoses
2804-BC	see	Service manifolds, gauges and charging hoses
2804-BC/247	see	Service manifolds, gauges and charging hoses
2804-BC/27	see	Service manifolds, gauges and charging hoses
2804-BC/4	see	Service manifolds, gauges and charging hoses
2804-BC/447	see	Service manifolds, gauges and charging hoses
2804-BPC	see	Service manifolds, gauges and charging hoses
2804-G-BC	see	Service manifolds, gauges and charging hoses

Part. nr.	Pdf file	
2804-G-BC/247	see	Service manifolds, gauges and charging hoses
2804-G-BC/4	see	Service manifolds, gauges and charging hoses
2804-G-BC/447	see	Service manifolds, gauges and charging hoses
2804-G-BPC	see	Service manifolds, gauges and charging hoses
2805-BC	see	Service manifolds, gauges and charging hoses
2805-BC/247	see	Service manifolds, gauges and charging hoses
2805-BC/27	see	Service manifolds, gauges and charging hoses
2805-BC/4	see	Service manifolds, gauges and charging hoses
2805-BC/447	see	Service manifolds, gauges and charging hoses
2805-BPC	see	Service manifolds, gauges and charging hoses
2805-G-BC	see	Service manifolds, gauges and charging hoses
2805-G-BC/247	see	Service manifolds, gauges and charging hoses
2805-G-BC/4	see	Service manifolds, gauges and charging hoses
2805-G-BC/447	see	Service manifolds, gauges and charging hoses
2805-G-BPC	see	Service manifolds, gauges and charging hoses
2812-BC	see	Service manifolds, gauges and charging hoses
2812-BC/247	see	Service manifolds, gauges and charging hoses
2812-BC/27	see	Service manifolds, gauges and charging hoses
2812-BC/4	see	Service manifolds, gauges and charging hoses
2812-BC/447	see	Service manifolds, gauges and charging hoses
2812-BPC	see	Service manifolds, gauges and charging hoses
2812-BPC/410	see	Service manifolds, gauges and charging hoses
2812-BPC/410	see	Service manifolds, gauges and charging hoses
2812-BPC/410/27	see	Service manifolds, gauges and charging hoses
2812-BPC-1.0/410	see	Service manifolds, gauges and charging hoses
2812-G-BC	see	Service manifolds, gauges and charging hoses
2812-G-BC/247	see	Service manifolds, gauges and charging hoses
2812-G-BC/4	see	Service manifolds, gauges and charging hoses
2812-G-BC/447	see	Service manifolds, gauges and charging hoses
2812-G-BPC	see	Service manifolds, gauges and charging hoses
2814-BC	see	Service manifolds, gauges and charging hoses
2814-BC/247	see	Service manifolds, gauges and charging hoses
2814-BC/27	see	Service manifolds, gauges and charging hoses
2814-BC/4	see	Service manifolds, gauges and charging hoses
2814-BC/447	see	Service manifolds, gauges and charging hoses
2814-BPC	see	Service manifolds, gauges and charging hoses
2814-G-BC	see	Service manifolds, gauges and charging hoses
2814-G-BC/247	see	Service manifolds, gauges and charging hoses
2814-G-BC/4	see	Service manifolds, gauges and charging hoses
2814-G-BC/447	see	Service manifolds, gauges and charging hoses
2814-G-BPC	see	Service manifolds, gauges and charging hoses
2815-BC	see	Service manifolds, gauges and charging hoses
2815-BC/247	see	Service manifolds, gauges and charging hoses
2815-BC/27	see	Service manifolds, gauges and charging hoses
2815-BC/4	see	Service manifolds, gauges and charging hoses
2815-BC/447	see	Service manifolds, gauges and charging hoses
2815-BPC	see	Service manifolds, gauges and charging hoses
2815-G-BC	see	Service manifolds, gauges and charging hoses
2815-G-BC/247	see	Service manifolds, gauges and charging hoses
2815-G-BC/4	see	Service manifolds, gauges and charging hoses
2815-G-BC/447	see	Service manifolds, gauges and charging hoses
2815-G-BPC	see	Service manifolds, gauges and charging hoses
2822-BC	see	Service manifolds, gauges and charging hoses
2822-BC/247	see	Service manifolds, gauges and charging hoses
2822-BC/27	see	Service manifolds, gauges and charging hoses
2822-BC/4	see	Service manifolds, gauges and charging hoses
2822-BC/447	see	Service manifolds, gauges and charging hoses
2822-BPC	see	Service manifolds, gauges and charging hoses
2822-BPC/410	see	Service manifolds, gauges and charging hoses
2822-BPC/410	see	Service manifolds, gauges and charging hoses
2822-BPC/410/27	see	Service manifolds, gauges and charging hoses
2822-BPC-1.0/410	see	Service manifolds, gauges and charging hoses
2822-G-BC	see	Service manifolds, gauges and charging hoses
2822-G-BC/247	see	Service manifolds, gauges and charging hoses
2822-G-BC/4	see	Service manifolds, gauges and charging hoses
2822-G-BC/447	see	Service manifolds, gauges and charging hoses
2822-G-BPC	see	Service manifolds, gauges and charging hoses
2824-BC	see	Service manifolds, gauges and charging hoses
2824-BC/247	see	Service manifolds, gauges and charging hoses
2824-BC/27	see	Service manifolds, gauges and charging hoses
2824-BC/4	see	Service manifolds, gauges and charging hoses
2824-BC/447	see	Service manifolds, gauges and charging hoses
2824-BPC	see	Service manifolds, gauges and charging hoses
2824-G-BC	see	Service manifolds, gauges and charging hoses
2824-G-BC/247	see	Service manifolds, gauges and charging hoses
2824-G-BC/4	see	Service manifolds, gauges and charging hoses
2824-G-BC/447	see	Service manifolds, gauges and charging hoses
2824-G-BPC	see	Service manifolds, gauges and charging hoses
2825-BC	see	Service manifolds, gauges and charging hoses
2825-BC/247	see	Service manifolds, gauges and charging hoses
2825-BC/27	see	Service manifolds, gauges and charging hoses
2825-BC/4	see	Service manifolds, gauges and charging hoses
2825-BC/447	see	Service manifolds, gauges and charging hoses
2825-BPC	see	Service manifolds, gauges and charging hoses
2825-G-BC	see	Service manifolds, gauges and charging hoses
2825-G-BC/247	see	Service manifolds, gauges and charging hoses
2825-G-BC/4	see	Service manifolds, gauges and charging hoses
2825-G-BC/447	see	Service manifolds, gauges and charging hoses
2825-G-BPC	see	Service manifolds, gauges and charging hoses
2831-BC	see	Service manifolds, gauges and charging hoses
2831-BC/247	see	Service manifolds, gauges and charging hoses
2831-BC/27	see	Service manifolds, gauges and charging hoses
2831-BC/4	see	Service manifolds, gauges and charging hoses
2831-BC/447	see	Service manifolds, gauges and charging hoses
2831-BPC	see	Service manifolds, gauges and charging hoses

Part. nr.	Pdf file	
2831-BPC/410	see	Service manifolds, gauges and charging hoses
2831-BPC/410/27	see	Service manifolds, gauges and charging hoses
2851-BC	see	Service manifolds, gauges and charging hoses
2851-BC/247	see	Service manifolds, gauges and charging hoses
2851-BC/27	see	Service manifolds, gauges and charging hoses
2851-BC/4	see	Service manifolds, gauges and charging hoses
2851-BC/447	see	Service manifolds, gauges and charging hoses
2851-BPC	see	Service manifolds, gauges and charging hoses
2851-BPC/410	see	Service manifolds, gauges and charging hoses
2851-BPC/410/27	see	Service manifolds, gauges and charging hoses
300-CO1	see	Refrigeration accessories
300-CO1	see	Refrigeration accessories
300-FB	see	Service manifolds, gauges and charging hoses
312-FC	see	Service manifolds, gauges and charging hoses
312-FC-SP	see	Service manifolds, gauges and charging hoses
32387	see	Refrigeration accessories
32392	see	Refrigeration accessories
32399	see	Refrigeration accessories
32650	see	Tube working tools
33490	see	Refrigeration accessories
33492	see	Refrigeration accessories
350-FHA	see	Tube working tools
360-FHA	see	Tube working tools
3639	see	Fluid control components
3640	see	Fluid control components
3641	see	Fluid control components
364-FH-02	see	Tube working tools
364-FH-03	see	Tube working tools
364-FHA-04	see	Tube working tools
364-FHA-05	see	Tube working tools
364-FHA-06	see	Tube working tools
364-FHA-08	see	Tube working tools
364-FHA-10	see	Tube working tools
364-FHA-12	see	Tube working tools
364-FHA-14	see	Tube working tools
364-FHA-16	see	Tube working tools
364-FHB-04	see	Tube working tools
364-FHB-05	see	Tube working tools
364-FHB-06	see	Tube working tools
364-FHB-08	see	Tube working tools
364-FHBM-06 mm	see	Tube working tools
364-FHBM-08 mm	see	Tube working tools
364-FHBM-10 mm	see	Tube working tools
364-FHBM-12 mm	see	Tube working tools
3700	see	Fluid control components
3701	see	Fluid control components
3702	see	Fluid control components
3703	see	Fluid control components
3704	see	Fluid control components
3706	see	Fluid control components
370-FH	see	Tube working tools
3738	see	Fluid control components
375-FS	see	Tube working tools
3810	see	Fluid control components
3817	see	Fluid control components
3826	see	Fluid control components
3831	see	Fluid control components
3832	see	Fluid control components
3836	see	Fluid control components
3838	see	Fluid control components
3839	see	Fluid control components
3840	see	Fluid control components
3841	see	Fluid control components
38610	see	Tube working tools
38760	see	Tube working tools
38760M	see	Tube working tools
38770	see	Tube working tools
38770M	see	Tube working tools
3HDA-120	see	Service manifolds, gauges and charging hoses
3HDA-36	see	Service manifolds, gauges and charging hoses
3HDA-48	see	Service manifolds, gauges and charging hoses
3HDA-60	see	Service manifolds, gauges and charging hoses
3HDA-72	see	Service manifolds, gauges and charging hoses
3HDCA-36/410	see	Service manifolds, gauges and charging hoses
3HDCA-48/410	see	Service manifolds, gauges and charging hoses
3HDCA-60/410	see	Service manifolds, gauges and charging hoses
3HDCA-72/410	see	Service manifolds, gauges and charging hoses
3HDCS-36/410/V	see	Service manifolds, gauges and charging hoses
3HDCS-60/410/V	see	Service manifolds, gauges and charging hoses
3HDCS-72/410/V	see	Service manifolds, gauges and charging hoses
3HDS-36/V	see	Service manifolds, gauges and charging hoses
3HDS-60/V	see	Service manifolds, gauges and charging hoses
3HDS6-60	see	Service manifolds, gauges and charging hoses
3HDS6-60/V	see	Service manifolds, gauges and charging hoses
3HDS6-72	see	Service manifolds, gauges and charging hoses
3HDS6-72/V	see	Service manifolds, gauges and charging hoses
3HDS-72/V	see	Service manifolds, gauges and charging hoses
40190	see	Service manifolds, gauges and charging hoses
40192	see	Service manifolds, gauges and charging hoses
40193	see	Service manifolds, gauges and charging hoses
40200	see	Evacuating and charging equipment
40200	see	Service manifolds, gauges and charging hoses
40200-125	see	Evacuating and charging equipment
40200-125	see	Service manifolds, gauges and charging hoses
40200-200	see	Evacuating and charging equipment

Part. nr.	Pdf file	
40200-200	see	Service manifolds, gauges and charging hoses
40201-125	see	Evacuating and charging equipment
40201-125	see	Service manifolds, gauges and charging hoses
406-FA	see	Tube working tools
4240-MF	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-06	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-08	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-108	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-133	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-67	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-70	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-76	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-80	see	Copper tubes, coils & solder fittings (Inch & Metric)
5001A-89	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-06	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-08	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-108	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-133	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-159	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-67	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-70	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-76	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-80	see	Copper tubes, coils & solder fittings (Inch & Metric)
5002A-89	see	Copper tubes, coils & solder fittings (Inch & Metric)
500-CO1	see	Refrigeration accessories
500-FC	see	Tube working tools
500-FCM	see	Tube working tools
500-P1	see	Evacuating and charging equipment
500-P1	see	Refrigeration accessories
500-P5	see	Evacuating and charging equipment
5040-06	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-08	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-108	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-133	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-67	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-76	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-80	see	Copper tubes, coils & solder fittings (Inch & Metric)
5040-89	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-06	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-08	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-108	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-133	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-159	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-67	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-76	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-80	see	Copper tubes, coils & solder fittings (Inch & Metric)
5041-89	see	Copper tubes, coils & solder fittings (Inch & Metric)

Tel : +32 3 766 02 02
Fax: +32 3 766 10 67

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Part. nr.	Pdf file
5060-08	see Copper tubes, coils & solder fittings (Inch & Metric)
5060-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5060-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5060-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5060-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5060-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5060-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5060-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5060-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5060-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5060-54	see Copper tubes, coils & solder fittings (Inch & Metric)
5085-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5085-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5085-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5085-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5085-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5085-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5086-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5086-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5086-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5086-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5086-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5086-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-06	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-08	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-108	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-15-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-18-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-22-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-22-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-54	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-64	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-76	see Copper tubes, coils & solder fittings (Inch & Metric)
5090-89	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-06	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-08	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5092-54	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-06	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-08	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-108	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-133	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-159	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-54	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-64	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-67	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-76	see Copper tubes, coils & solder fittings (Inch & Metric)
5130-89	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-06-08B-06	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-06-10B-06	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-08-06B-06	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-08-06B-08	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-08-10B-08	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-10-06B-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-10-08B-08	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-10-08B-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-10-10B-08	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-10-12B-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-10-15B-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-108-54B-108	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-108-64B-108	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-108-76B-108	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-108-89B-108	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-12-06B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-12-08B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-12-10B-10	see Copper tubes, coils & solder fittings (Inch & Metric)

Part. nr.	Pdf file
5130R-12-10B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-12-12B-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-12-14B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-12-15B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-12-16B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-12-18B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-12-22B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-133-108B-133	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-14-10B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-14-12B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-14-12B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-14-14B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-14-16B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-14-16B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-14-18B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-14-22B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-06B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-08B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-10B-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-10B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-10B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-12B-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-12B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-12B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-15B-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-15B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-18B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-22B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-15-28B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-06B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-10B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-12B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-12B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-12B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-14B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-14B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-14B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-16B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-16B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-18B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-18B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-16-22B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-06B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-10B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-12B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-12B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-12B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-12B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-12B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-14B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-14B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-14B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-14B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-15B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-15B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-15B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-16B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-16B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-16B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-18B-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-18B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-18B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-18B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-18B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-22B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-22B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-18-28B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-06B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-10B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-12B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-12B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-12B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-12B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-12B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-14B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-14B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-14B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-14B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-15B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-15B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-15B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-15B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-16B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-16B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-16B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-18B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-18B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-18B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-18B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-18B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-18B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-22B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-22B-14	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-22B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-22B-16	see Copper tubes, coils & solder fittings (Inch & Metric)

Part. nr.	Pdf file
5130R-22-22B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-28B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-28B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-22-35B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-10B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-12B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-14B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-15B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-15B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-15B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-15B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-16B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-16B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-18B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-18B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-18B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-18B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-22B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-22B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-22B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-22B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-28B-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-28B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-28B-16	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-28B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-28B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-28-35B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-15B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-15B-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-18B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-18B-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-22B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-22B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-22B-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-28B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-28B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-28B-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-35B-15	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-35B-18	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-35B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-35B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-35-42B-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-15B-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-18B-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-22B-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-22B-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-28B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-28B-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-28B-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-35B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-35B-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-35B-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-42B-22	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-42B-28	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-42B-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-42-54B-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-54-15B-54	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-54-18B-54	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-54-22B-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-54-22B-54	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-54-28B-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-54-28B-54	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-54-35B-35	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-54-35B-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-54-35B-54	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-54-42B-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-54-42B-54	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-54-54B-42	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-64-35B-64	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-64-42B-64	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-64-54B-64	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-76-35B-76	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-76-42B-76	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-76-54B-76	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-76-64B-76	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-89-35B-89	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-89-42B-89	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-89-54B-89	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-89-64B-89	see Copper tubes, coils & solder fittings (Inch & Metric)
5130R-89-76B-89	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-08-06	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-10-06	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-10-08	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-108-89	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-12-06	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-12-08	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-12-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-133-108	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-133-76	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-14-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-14-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-15-08	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-15-10	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-15-12	see Copper tubes, coils & solder fittings (Inch & Metric)
5240-15-14	see Copper tubes, coils & solder fittings (Inch & Metric)

Part. nr.	Pdf file	
5240-159-108	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-159-133	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-16-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-16-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-16-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-16-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-18-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-18-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-18-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-18-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-18-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-22-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-22-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-22-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-22-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-22-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-22-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-28-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-28-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-28-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-28-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-28-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-28-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-35-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-35-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-35-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-35-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-42-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-42-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-42-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-42-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-54-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-54-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-54-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-54-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-64-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-64-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-64-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-67-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-70-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-70-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-76-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-76-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-76-70	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-80-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-80-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-80-70	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-80-76	see	Copper tubes, coils & solder fittings (Inch & Metric)
5240-89-76	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-08-06	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-10-06	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-10-08	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-108-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-108-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-108-76	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-108-89	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-12-06	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-12-08	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-12-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-133-108	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-133-76	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-133-89	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-14-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-14-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-15-08	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-15-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-15-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-15-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-159-108	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-159-133	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-16-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-16-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-16-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-16-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-18-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-18-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-18-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-18-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-18-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-22-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-22-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-22-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-22-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-22-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-22-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-28-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-28-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-28-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-28-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-28-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-28-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-35-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-35-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-35-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-35-28	see	Copper tubes, coils & solder fittings (Inch & Metric)

Part. nr.	Pdf file	
5243-42-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-42-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-42-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-42-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-42-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-54-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-54-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-54-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-54-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-64-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-64-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-64-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-67-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-67-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-67-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-70-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-70-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-76-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-76-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-76-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-76-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-76-70	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-80-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-80-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-80-67	see	Copper tubes, coils & solder fittings (Inch & Metric)
5243-89-76	see	Copper tubes, coils & solder fittings (Inch & Metric)
525-F	see	Tube working tools
525-F SP	see	Tube working tools
5270-06	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-08	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-108	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-133	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-159	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-67	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-70	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-76	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-80	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270-89	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270S-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270S-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270S-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270S-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270S-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270S-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270S-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5270S-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-108	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-42	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-54	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-64	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-67	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-76	see	Copper tubes, coils & solder fittings (Inch & Metric)
5301-89	see	Copper tubes, coils & solder fittings (Inch & Metric)
536-C02	see	Evacuating and charging equipment
536-C02	see	Service manifolds, gauges and charging hoses
536-C16	see	Evacuating and charging equipment
536-C16	see	Service manifolds, gauges and charging hoses
536-C35	see	Evacuating and charging equipment
536-C35	see	Service manifolds, gauges and charging hoses
540	see	Inline components and accessories
623-BC/247	see	Service manifolds, gauges and charging hoses
623-BC/410	see	Service manifolds, gauges and charging hoses
623-BC/447	see	Service manifolds, gauges and charging hoses
623-BPC	see	Service manifolds, gauges and charging hoses
623-WG	see	Service manifolds, gauges and charging hoses
625-BC/247	see	Service manifolds, gauges and charging hoses
625-BC/410	see	Service manifolds, gauges and charging hoses
625-BC/447	see	Service manifolds, gauges and charging hoses
625-BPC	see	Service manifolds, gauges and charging hoses
625-WG	see	Service manifolds, gauges and charging hoses
627-VRP	see	Evacuating and charging equipment
627-VRP	see	Service manifolds, gauges and charging hoses
66914	see	Tube working tools
66914	see	Tube working tools

Part. nr.	Pdf file	
68481/TB	see	Tube working tools
68481/TB	see	Tube working tools
701501	see	Tube working tools
74760	see	Tube working tools
74770	see	Tube working tools
75020	see	Tube working tools
75530	see	Tube working tools
75540	see	Tube working tools
77510	see	Tube working tools
77520	see	Tube working tools
7885805	see	Tube working tools
7885805	see	Tube working tools
78931	see	Tube working tools
7899205	see	Tube working tools
7931805	see	Tube working tools
7958301	see	Service manifolds, gauges and charging hoses
7958301	see	Service manifolds, gauges and charging hoses
7958301-HD	see	Service manifolds, gauges and charging hoses
7958302	see	Service manifolds, gauges and charging hoses
7958302	see	Service manifolds, gauges and charging hoses
7976105	see	Tube working tools
7976107	see	Tube working tools
800	see	Copper tubes, coils & solder fittings (Inch & Metric)
801000	see	Copper tubes, coils & solder fittings (Inch & Metric)
801001	see	Copper tubes, coils & solder fittings (Inch & Metric)
801003	see	Copper tubes, coils & solder fittings (Inch & Metric)
801004	see	Copper tubes, coils & solder fittings (Inch & Metric)
801005	see	Copper tubes, coils & solder fittings (Inch & Metric)
801009	see	Copper tubes, coils & solder fittings (Inch & Metric)
801010	see	Copper tubes, coils & solder fittings (Inch & Metric)
801011	see	Copper tubes, coils & solder fittings (Inch & Metric)
801017	see	Copper tubes, coils & solder fittings (Inch & Metric)
801019	see	Copper tubes, coils & solder fittings (Inch & Metric)
801021	see	Copper tubes, coils & solder fittings (Inch & Metric)
801022	see	Copper tubes, coils & solder fittings (Inch & Metric)
801023	see	Copper tubes, coils & solder fittings (Inch & Metric)
801025	see	Copper tubes, coils & solder fittings (Inch & Metric)
801027	see	Copper tubes, coils & solder fittings (Inch & Metric)
801028	see	Copper tubes, coils & solder fittings (Inch & Metric)
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801030	see	Copper tubes, coils & solder fittings (Inch & Metric)
801031	see	Copper tubes, coils & solder fittings (Inch & Metric)
801034	see	Copper tubes, coils & solder fittings (Inch & Metric)
801035	see	Copper tubes, coils & solder fittings (Inch & Metric)
801036	see	Copper tubes, coils & solder fittings (Inch & Metric)
801037	see	Copper tubes, coils & solder fittings (Inch & Metric)
801038	see	Copper tubes, coils & solder fittings (Inch & Metric)
801040	see	Copper tubes, coils & solder fittings (Inch & Metric)
801047	see	Copper tubes, coils & solder fittings (Inch & Metric)
801049	see	Copper tubes, coils & solder fittings (Inch & Metric)
801050	see	Copper tubes, coils & solder fittings (Inch & Metric)
801051	see	Copper tubes, coils & solder fittings (Inch & Metric)
801052	see	Copper tubes, coils & solder fittings (Inch & Metric)
801055	see	Copper tubes, coils & solder fittings (Inch & Metric)
801056	see	Copper tubes, coils & solder fittings (Inch & Metric)
801058	see	Copper tubes, coils & solder fittings (Inch & Metric)
801060	see	Copper tubes, coils & solder fittings (Inch & Metric)
801062	see	Copper tubes, coils & solder fittings (Inch & Metric)
801063	see	Copper tubes, coils & solder fittings (Inch & Metric)
801064	see	Copper tubes, coils & solder fittings (Inch & Metric)
801065	see	Copper tubes, coils & solder fittings (Inch & Metric)
801067	see	Copper tubes, coils & solder fittings (Inch & Metric)
801069	see	Copper tubes, coils & solder fittings (Inch & Metric)
801072	see	Copper tubes, coils & solder fittings (Inch & Metric)
801073	see	Copper tubes, coils & solder fittings (Inch & Metric)
801074	see	Copper tubes, coils & solder fittings (Inch & Metric)
801075	see	Copper tubes, coils & solder fittings (Inch & Metric)
801077	see	Copper tubes, coils & solder fittings (Inch & Metric)
801079	see	Copper tubes, coils & solder fittings (Inch & Metric)
801082	see	Copper tubes, coils & solder fittings (Inch & Metric)
801083	see	Copper tubes, coils & solder fittings (Inch & Metric)
801084	see	Copper tubes, coils & solder fittings (Inch & Metric)
801085	see	Copper tubes, coils & solder fittings (Inch & Metric)
801086	see	Copper tubes, coils & solder fittings (Inch & Metric)
801092	see	Copper tubes, coils & solder fittings (Inch & Metric)
801093	see	Copper tubes, coils & solder fittings (Inch & Metric)
801094	see	Copper tubes, coils & solder fittings (Inch & Metric)
801095	see	Copper tubes, coils & solder fittings (Inch & Metric)
801105	see	Copper tubes, coils & solder fittings (Inch & Metric)
801106	see	Copper tubes, coils & solder fittings (Inch & Metric)
801107	see	Copper tubes, coils & solder fittings (Inch & Metric)
801109	see	Copper tubes, coils & solder fittings (Inch & Metric)
801110	see	Copper tubes, coils & solder fittings (Inch & Metric)
801113	see	Copper tubes, coils & solder fittings (Inch & Metric)
801114	see	Copper tubes, coils & solder fittings (Inch & Metric)
801115	see	Copper tubes, coils & solder fittings (Inch & Metric)
801116	see	Copper tubes, coils & solder fittings (Inch & Metric)
801123	see	Copper tubes, coils & solder fittings (Inch & Metric)
801124	see	Copper tubes, coils & solder fittings (Inch & Metric)
801125	see	Copper tubes, coils & solder fittings (Inch & Metric)
801126	see	Copper tubes, coils & solder fittings (Inch & Metric)
801129	see	Copper tubes, coils & solder fittings (Inch & Metric)
801130	see	Copper tubes, coils & solder fittings (Inch & Metric)
801131	see	Copper tubes, coils & solder fittings (Inch & Metric)
801132	see	Copper tubes, coils & solder fittings (Inch & Metric)

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Part. nr.	Pdf file
801133	see Copper tubes, coils & solder fittings (Inch & Metric)
801138	see Copper tubes, coils & solder fittings (Inch & Metric)
801139	see Copper tubes, coils & solder fittings (Inch & Metric)
801145	see Copper tubes, coils & solder fittings (Inch & Metric)
801146	see Copper tubes, coils & solder fittings (Inch & Metric)
801147	see Copper tubes, coils & solder fittings (Inch & Metric)
801150	see Copper tubes, coils & solder fittings (Inch & Metric)
801161	see Copper tubes, coils & solder fittings (Inch & Metric)
801162	see Copper tubes, coils & solder fittings (Inch & Metric)
801163	see Copper tubes, coils & solder fittings (Inch & Metric)
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801165	see Copper tubes, coils & solder fittings (Inch & Metric)
801170	see Copper tubes, coils & solder fittings (Inch & Metric)
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801179	see Copper tubes, coils & solder fittings (Inch & Metric)
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801181	see Copper tubes, coils & solder fittings (Inch & Metric)
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801188	see Copper tubes, coils & solder fittings (Inch & Metric)
801189	see Copper tubes, coils & solder fittings (Inch & Metric)
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801207	see Copper tubes, coils & solder fittings (Inch & Metric)
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801215	see Copper tubes, coils & solder fittings (Inch & Metric)
801216	see Copper tubes, coils & solder fittings (Inch & Metric)
801223	see Copper tubes, coils & solder fittings (Inch & Metric)
801224	see Copper tubes, coils & solder fittings (Inch & Metric)
801225	see Copper tubes, coils & solder fittings (Inch & Metric)
801226	see Copper tubes, coils & solder fittings (Inch & Metric)
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801302	see Copper tubes, coils & solder fittings (Inch & Metric)
801306	see Copper tubes, coils & solder fittings (Inch & Metric)
801312	see Copper tubes, coils & solder fittings (Inch & Metric)
801314	see Copper tubes, coils & solder fittings (Inch & Metric)
801315	see Copper tubes, coils & solder fittings (Inch & Metric)
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801338	see Copper tubes, coils & solder fittings (Inch & Metric)
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801351	see Copper tubes, coils & solder fittings (Inch & Metric)
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801358	see Copper tubes, coils & solder fittings (Inch & Metric)
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801368	see Copper tubes, coils & solder fittings (Inch & Metric)
801369	see Copper tubes, coils & solder fittings (Inch & Metric)
801370	see Copper tubes, coils & solder fittings (Inch & Metric)
801376	see Copper tubes, coils & solder fittings (Inch & Metric)
801377	see Copper tubes, coils & solder fittings (Inch & Metric)

Part. nr.	Pdf file
801378	see Copper tubes, coils & solder fittings (Inch & Metric)
801379	see Copper tubes, coils & solder fittings (Inch & Metric)
801381	see Copper tubes, coils & solder fittings (Inch & Metric)
801382	see Copper tubes, coils & solder fittings (Inch & Metric)
801383	see Copper tubes, coils & solder fittings (Inch & Metric)
801386	see Copper tubes, coils & solder fittings (Inch & Metric)
801387	see Copper tubes, coils & solder fittings (Inch & Metric)
801388	see Copper tubes, coils & solder fittings (Inch & Metric)
801389	see Copper tubes, coils & solder fittings (Inch & Metric)
801414	see Copper tubes, coils & solder fittings (Inch & Metric)
801425	see Copper tubes, coils & solder fittings (Inch & Metric)
801431	see Copper tubes, coils & solder fittings (Inch & Metric)
801432	see Copper tubes, coils & solder fittings (Inch & Metric)
801446	see Copper tubes, coils & solder fittings (Inch & Metric)
801447	see Copper tubes, coils & solder fittings (Inch & Metric)
801463	see Copper tubes, coils & solder fittings (Inch & Metric)
801464	see Copper tubes, coils & solder fittings (Inch & Metric)
801471	see Copper tubes, coils & solder fittings (Inch & Metric)
801479	see Copper tubes, coils & solder fittings (Inch & Metric)
801487	see Copper tubes, coils & solder fittings (Inch & Metric)
801496	see Copper tubes, coils & solder fittings (Inch & Metric)
801514	see Copper tubes, coils & solder fittings (Inch & Metric)
801524	see Copper tubes, coils & solder fittings (Inch & Metric)
801525	see Copper tubes, coils & solder fittings (Inch & Metric)
801526	see Copper tubes, coils & solder fittings (Inch & Metric)
801531	see Copper tubes, coils & solder fittings (Inch & Metric)
801532	see Copper tubes, coils & solder fittings (Inch & Metric)
801546	see Copper tubes, coils & solder fittings (Inch & Metric)
801547	see Copper tubes, coils & solder fittings (Inch & Metric)
801563	see Copper tubes, coils & solder fittings (Inch & Metric)
801564	see Copper tubes, coils & solder fittings (Inch & Metric)
801571	see Copper tubes, coils & solder fittings (Inch & Metric)
801579	see Copper tubes, coils & solder fittings (Inch & Metric)
801587	see Copper tubes, coils & solder fittings (Inch & Metric)
801596	see Copper tubes, coils & solder fittings (Inch & Metric)
801622	see Copper tubes, coils & solder fittings (Inch & Metric)
801634	see Copper tubes, coils & solder fittings (Inch & Metric)
801647	see Copper tubes, coils & solder fittings (Inch & Metric)
801652	see Copper tubes, coils & solder fittings (Inch & Metric)
801654	see Copper tubes, coils & solder fittings (Inch & Metric)
801706	see Copper tubes, coils & solder fittings (Inch & Metric)
801712	see Copper tubes, coils & solder fittings (Inch & Metric)
801714	see Copper tubes, coils & solder fittings (Inch & Metric)
801715	see Copper tubes, coils & solder fittings (Inch & Metric)
801717	see Copper tubes, coils & solder fittings (Inch & Metric)
801720	see Copper tubes, coils & solder fittings (Inch & Metric)
801721	see Copper tubes, coils & solder fittings (Inch & Metric)
801722	see Copper tubes, coils & solder fittings (Inch & Metric)
801725	see Copper tubes, coils & solder fittings (Inch & Metric)
801726	see Copper tubes, coils & solder fittings (Inch & Metric)
801727	see Copper tubes, coils & solder fittings (Inch & Metric)
801737	see Copper tubes, coils & solder fittings (Inch & Metric)
801738	see Copper tubes, coils & solder fittings (Inch & Metric)
801739	see Copper tubes, coils & solder fittings (Inch & Metric)
801743	see Copper tubes, coils & solder fittings (Inch & Metric)
801745	see Copper tubes, coils & solder fittings (Inch & Metric)
801750	see Copper tubes, coils & solder fittings (Inch & Metric)
801751	see Copper tubes, coils & solder fittings (Inch & Metric)
801758	see Copper tubes, coils & solder fittings (Inch & Metric)
801759	see Copper tubes, coils & solder fittings (Inch & Metric)
801767	see Copper tubes, coils & solder fittings (Inch & Metric)
801900	see Copper tubes, coils & solder fittings (Inch & Metric)
801901	see Copper tubes, coils & solder fittings (Inch & Metric)
801902	see Copper tubes, coils & solder fittings (Inch & Metric)
801903	see Copper tubes, coils & solder fittings (Inch & Metric)
801904	see Copper tubes, coils & solder fittings (Inch & Metric)
801905	see Copper tubes, coils & solder fittings (Inch & Metric)
801906	see Copper tubes, coils & solder fittings (Inch & Metric)
801907	see Copper tubes, coils & solder fittings (Inch & Metric)
801908	see Copper tubes, coils & solder fittings (Inch & Metric)
801909	see Copper tubes, coils & solder fittings (Inch & Metric)
801910	see Copper tubes, coils & solder fittings (Inch & Metric)
801911	see Copper tubes, coils & solder fittings (Inch & Metric)
801913	see Copper tubes, coils & solder fittings (Inch & Metric)
802003	see Copper tubes, coils & solder fittings (Inch & Metric)
802009	see Copper tubes, coils & solder fittings (Inch & Metric)
802011	see Copper tubes, coils & solder fittings (Inch & Metric)
802017	see Copper tubes, coils & solder fittings (Inch & Metric)
802019	see Copper tubes, coils & solder fittings (Inch & Metric)
802023	see Copper tubes, coils & solder fittings (Inch & Metric)
802025	see Copper tubes, coils & solder fittings (Inch & Metric)
802028	see Copper tubes, coils & solder fittings (Inch & Metric)
802029	see Copper tubes, coils & solder fittings (Inch & Metric)
802030	see Copper tubes, coils & solder fittings (Inch & Metric)
802035	see Copper tubes, coils & solder fittings (Inch & Metric)
802036	see Copper tubes, coils & solder fittings (Inch & Metric)
802037	see Copper tubes, coils & solder fittings (Inch & Metric)
802040	see Copper tubes, coils & solder fittings (Inch & Metric)
802049	see Copper tubes, coils & solder fittings (Inch & Metric)
802050	see Copper tubes, coils & solder fittings (Inch & Metric)
802051	see Copper tubes, coils & solder fittings (Inch & Metric)
802052	see Copper tubes, coils & solder fittings (Inch & Metric)
802055	see Copper tubes, coils & solder fittings (Inch & Metric)
802056	see Copper tubes, coils & solder fittings (Inch & Metric)
802058	see Copper tubes, coils & solder fittings (Inch & Metric)

Part. nr.	Pdf file
802060	see Copper tubes, coils & solder fittings (Inch & Metric)
802063	see Copper tubes, coils & solder fittings (Inch & Metric)
802064	see Copper tubes, coils & solder fittings (Inch & Metric)
802065	see Copper tubes, coils & solder fittings (Inch & Metric)
802067	see Copper tubes, coils & solder fittings (Inch & Metric)
802072	see Copper tubes, coils & solder fittings (Inch & Metric)
802073	see Copper tubes, coils & solder fittings (Inch & Metric)
802074	see Copper tubes, coils & solder fittings (Inch & Metric)
802075	see Copper tubes, coils & solder fittings (Inch & Metric)
802077	see Copper tubes, coils & solder fittings (Inch & Metric)
802078	see Copper tubes, coils & solder fittings (Inch & Metric)
802082	see Copper tubes, coils & solder fittings (Inch & Metric)
802083	see Copper tubes, coils & solder fittings (Inch & Metric)
802084	see Copper tubes, coils & solder fittings (Inch & Metric)
802085	see Copper tubes, coils & solder fittings (Inch & Metric)
802086	see Copper tubes, coils & solder fittings (Inch & Metric)
802087	see Copper tubes, coils & solder fittings (Inch & Metric)
802088	see Copper tubes, coils & solder fittings (Inch & Metric)
802089	see Copper tubes, coils & solder fittings (Inch & Metric)
802090	see Copper tubes, coils & solder fittings (Inch & Metric)
802092	see Copper tubes, coils & solder fittings (Inch & Metric)
802093	see Copper tubes, coils & solder fittings (Inch & Metric)
802095	see Copper tubes, coils & solder fittings (Inch & Metric)
802097	see Copper tubes, coils & solder fittings (Inch & Metric)
802105	see Copper tubes, coils & solder fittings (Inch & Metric)
802106	see Copper tubes, coils & solder fittings (Inch & Metric)
802107	see Copper tubes, coils & solder fittings (Inch & Metric)
802113	see Copper tubes, coils & solder fittings (Inch & Metric)
802114	see Copper tubes, coils & solder fittings (Inch & Metric)
802115	see Copper tubes, coils & solder fittings (Inch & Metric)
802116	see Copper tubes, coils & solder fittings (Inch & Metric)
802123	see Copper tubes, coils & solder fittings (Inch & Metric)
802124	see Copper tubes, coils & solder fittings (Inch & Metric)
802125	see Copper tubes, coils & solder fittings (Inch & Metric)
802126	see Copper tubes, coils & solder fittings (Inch & Metric)
802130	see Copper tubes, coils & solder fittings (Inch & Metric)
802131	see Copper tubes, coils & solder fittings (Inch & Metric)
802132	see Copper tubes, coils & solder fittings (Inch & Metric)
802137	see Copper tubes, coils & solder fittings (Inch & Metric)
802138	see Copper tubes, coils & solder fittings (Inch & Metric)
802146	see Copper tubes, coils & solder fittings (Inch & Metric)
802147	see Copper tubes, coils & solder fittings (Inch & Metric)
802148	see Copper tubes, coils & solder fittings (Inch & Metric)
802163	see Copper tubes, coils & solder fittings (Inch & Metric)
802164	see Copper tubes, coils & solder fittings (Inch & Metric)
802179	see Copper tubes, coils & solder fittings (Inch & Metric)
802187	see Copper tubes, coils & solder fittings (Inch & Metric)
802206	see Copper tubes, coils & solder fittings (Inch & Metric)
802207	see Copper tubes, coils & solder fittings (Inch & Metric)
802214	see Copper tubes, coils & solder fittings (Inch & Metric)
802215	see Copper tubes, coils & solder fittings (Inch & Metric)
802216	see Copper tubes, coils & solder fittings (Inch & Metric)
802224	see Copper tubes, coils & solder fittings (Inch & Metric)
802225	see Copper tubes, coils & solder fittings (Inch & Metric)
802226	see Copper tubes, coils & solder fittings (Inch & Metric)
802230	see Copper tubes, coils & solder fittings (Inch & Metric)
802231	see Copper tubes, coils & solder fittings (Inch & Metric)
802232	see Copper tubes, coils & solder fittings (Inch & Metric)
802238	see Copper tubes, coils & solder fittings (Inch & Metric)
802239	see Copper tubes, coils & solder fittings (Inch & Metric)
802246	see Copper tubes, coils & solder fittings (Inch & Metric)
802247	see Copper tubes, coils & solder fittings (Inch & Metric)
802264	see Copper tubes, coils & solder fittings (Inch & Metric)
802271	see Copper tubes, coils & solder fittings (Inch & Metric)
802280	see Copper tubes, coils & solder fittings (Inch & Metric)
802305	see Copper tubes, coils & solder fittings (Inch & Metric)
802312	see Copper tubes, coils & solder fittings (Inch & Metric)
802321	see Copper tubes, coils & solder fittings (Inch & Metric)
802326	see Copper tubes, coils & solder fittings (Inch & Metric)
802330	see Copper tubes, coils & solder fittings (Inch & Metric)
802334	see Copper tubes, coils & solder fittings (Inch & Metric)
802344	see Copper tubes, coils & solder fittings (Inch & Metric)
802350	see Copper tubes, coils & solder fittings (Inch & Metric)
802355	see Copper tubes, coils & solder fittings (Inch & Metric)
802359	see Copper tubes, coils & solder fittings (Inch & Metric)
802363	see Copper tubes, coils & solder fittings (Inch & Metric)
802368	see Copper tubes, coils & solder fittings (Inch & Metric)
802384	see Copper tubes, coils & solder fittings (Inch & Metric)
802385	see Copper tubes, coils & solder fittings (Inch & Metric)
802386	see Copper tubes, coils & solder fittings (Inch & Metric)
802387	see Copper tubes, coils & solder fittings (Inch & Metric)
802388	see Copper tubes, coils & solder fittings (Inch & Metric)
802389	see Copper tubes, coils & solder fittings (Inch & Metric)
802390	see Copper tubes, coils & solder fittings (Inch & Metric)
802393	see Copper tubes, coils & solder fittings (Inch & Metric)
802395	see Copper tubes, coils & solder fittings (Inch & Metric)
802612	see Copper tubes, coils & solder fittings (Inch & Metric)
802621	see Copper tubes, coils & solder fittings (Inch & Metric)
802626	see Copper tubes, coils & solder fittings (Inch & Metric)
802634	see Copper tubes, coils & solder fittings (Inch & Metric)
802644	see Copper tubes, coils & solder fittings (Inch & Metric)
802650	see Copper tubes, coils & solder fittings (Inch & Metric)
802655	see Copper tubes, coils & solder fittings (Inch & Metric)
802659	see Copper tubes, coils & solder fittings (Inch & Metric)
802684	see Copper tubes, coils & solder fittings (Inch & Metric)

Part. nr.	Pdf file	
802685	see	Copper tubes, coils & solder fittings (Inch & Metric)
802686	see	Copper tubes, coils & solder fittings (Inch & Metric)
802687	see	Copper tubes, coils & solder fittings (Inch & Metric)
802688	see	Copper tubes, coils & solder fittings (Inch & Metric)
802689	see	Copper tubes, coils & solder fittings (Inch & Metric)
802690	see	Copper tubes, coils & solder fittings (Inch & Metric)
802701	see	Copper tubes, coils & solder fittings (Inch & Metric)
802710	see	Copper tubes, coils & solder fittings (Inch & Metric)
802711	see	Copper tubes, coils & solder fittings (Inch & Metric)
802715	see	Copper tubes, coils & solder fittings (Inch & Metric)
802716	see	Copper tubes, coils & solder fittings (Inch & Metric)
802717	see	Copper tubes, coils & solder fittings (Inch & Metric)
802719	see	Copper tubes, coils & solder fittings (Inch & Metric)
802722	see	Copper tubes, coils & solder fittings (Inch & Metric)
802723	see	Copper tubes, coils & solder fittings (Inch & Metric)
802725	see	Copper tubes, coils & solder fittings (Inch & Metric)
802728	see	Copper tubes, coils & solder fittings (Inch & Metric)
802734	see	Copper tubes, coils & solder fittings (Inch & Metric)
802735	see	Copper tubes, coils & solder fittings (Inch & Metric)
802736	see	Copper tubes, coils & solder fittings (Inch & Metric)
802737	see	Copper tubes, coils & solder fittings (Inch & Metric)
802747	see	Copper tubes, coils & solder fittings (Inch & Metric)
802749	see	Copper tubes, coils & solder fittings (Inch & Metric)
802751	see	Copper tubes, coils & solder fittings (Inch & Metric)
802756	see	Copper tubes, coils & solder fittings (Inch & Metric)
802809	see	Copper tubes, coils & solder fittings (Inch & Metric)
802817	see	Copper tubes, coils & solder fittings (Inch & Metric)
802822	see	Copper tubes, coils & solder fittings (Inch & Metric)
802828	see	Copper tubes, coils & solder fittings (Inch & Metric)
802834	see	Copper tubes, coils & solder fittings (Inch & Metric)
802847	see	Copper tubes, coils & solder fittings (Inch & Metric)
803005	see	Copper tubes, coils & solder fittings (Inch & Metric)
803012	see	Copper tubes, coils & solder fittings (Inch & Metric)
803021	see	Copper tubes, coils & solder fittings (Inch & Metric)
803026	see	Copper tubes, coils & solder fittings (Inch & Metric)
803030	see	Copper tubes, coils & solder fittings (Inch & Metric)
803034	see	Copper tubes, coils & solder fittings (Inch & Metric)
803044	see	Copper tubes, coils & solder fittings (Inch & Metric)
803050	see	Copper tubes, coils & solder fittings (Inch & Metric)
803055	see	Copper tubes, coils & solder fittings (Inch & Metric)
803059	see	Copper tubes, coils & solder fittings (Inch & Metric)
803063	see	Copper tubes, coils & solder fittings (Inch & Metric)
803067	see	Copper tubes, coils & solder fittings (Inch & Metric)
803070	see	Copper tubes, coils & solder fittings (Inch & Metric)
803073	see	Copper tubes, coils & solder fittings (Inch & Metric)
803312	see	Copper tubes, coils & solder fittings (Inch & Metric)
803321	see	Copper tubes, coils & solder fittings (Inch & Metric)
803326	see	Copper tubes, coils & solder fittings (Inch & Metric)
803330	see	Copper tubes, coils & solder fittings (Inch & Metric)
803334	see	Copper tubes, coils & solder fittings (Inch & Metric)
803344	see	Copper tubes, coils & solder fittings (Inch & Metric)
803350	see	Copper tubes, coils & solder fittings (Inch & Metric)
803355	see	Copper tubes, coils & solder fittings (Inch & Metric)
803359	see	Copper tubes, coils & solder fittings (Inch & Metric)
803363	see	Copper tubes, coils & solder fittings (Inch & Metric)
803368	see	Copper tubes, coils & solder fittings (Inch & Metric)
803373	see	Copper tubes, coils & solder fittings (Inch & Metric)
803621	see	Copper tubes, coils & solder fittings (Inch & Metric)
803626	see	Copper tubes, coils & solder fittings (Inch & Metric)
803634	see	Copper tubes, coils & solder fittings (Inch & Metric)
803644	see	Copper tubes, coils & solder fittings (Inch & Metric)
804000	see	Copper tubes, coils & solder fittings (Inch & Metric)
804001	see	Copper tubes, coils & solder fittings (Inch & Metric)
804002	see	Copper tubes, coils & solder fittings (Inch & Metric)
804003	see	Copper tubes, coils & solder fittings (Inch & Metric)
804004	see	Copper tubes, coils & solder fittings (Inch & Metric)
804005	see	Copper tubes, coils & solder fittings (Inch & Metric)
804006	see	Copper tubes, coils & solder fittings (Inch & Metric)
804007	see	Copper tubes, coils & solder fittings (Inch & Metric)
804008	see	Copper tubes, coils & solder fittings (Inch & Metric)
804009	see	Copper tubes, coils & solder fittings (Inch & Metric)
804010	see	Copper tubes, coils & solder fittings (Inch & Metric)
804011	see	Copper tubes, coils & solder fittings (Inch & Metric)
804012	see	Copper tubes, coils & solder fittings (Inch & Metric)
804013	see	Copper tubes, coils & solder fittings (Inch & Metric)
804014	see	Copper tubes, coils & solder fittings (Inch & Metric)
804015	see	Copper tubes, coils & solder fittings (Inch & Metric)
804016	see	Copper tubes, coils & solder fittings (Inch & Metric)
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804018	see	Copper tubes, coils & solder fittings (Inch & Metric)
804019	see	Copper tubes, coils & solder fittings (Inch & Metric)
804020	see	Copper tubes, coils & solder fittings (Inch & Metric)
804021	see	Copper tubes, coils & solder fittings (Inch & Metric)
804022	see	Copper tubes, coils & solder fittings (Inch & Metric)
804023	see	Copper tubes, coils & solder fittings (Inch & Metric)
804025	see	Copper tubes, coils & solder fittings (Inch & Metric)
804026	see	Copper tubes, coils & solder fittings (Inch & Metric)
804027	see	Copper tubes, coils & solder fittings (Inch & Metric)
804029	see	Copper tubes, coils & solder fittings (Inch & Metric)
804031	see	Copper tubes, coils & solder fittings (Inch & Metric)
804032	see	Copper tubes, coils & solder fittings (Inch & Metric)
804033	see	Copper tubes, coils & solder fittings (Inch & Metric)
804034	see	Copper tubes, coils & solder fittings (Inch & Metric)
804035	see	Copper tubes, coils & solder fittings (Inch & Metric)
804036	see	Copper tubes, coils & solder fittings (Inch & Metric)

Part. nr.	Pdf file	
804037	see	Copper tubes, coils & solder fittings (Inch & Metric)
804041	see	Copper tubes, coils & solder fittings (Inch & Metric)
804042	see	Copper tubes, coils & solder fittings (Inch & Metric)
804043	see	Copper tubes, coils & solder fittings (Inch & Metric)
804044	see	Copper tubes, coils & solder fittings (Inch & Metric)
804045	see	Copper tubes, coils & solder fittings (Inch & Metric)
804046	see	Copper tubes, coils & solder fittings (Inch & Metric)
804047	see	Copper tubes, coils & solder fittings (Inch & Metric)
804048	see	Copper tubes, coils & solder fittings (Inch & Metric)
804049	see	Copper tubes, coils & solder fittings (Inch & Metric)
804050	see	Copper tubes, coils & solder fittings (Inch & Metric)
804051	see	Copper tubes, coils & solder fittings (Inch & Metric)
804052	see	Copper tubes, coils & solder fittings (Inch & Metric)
804055	see	Copper tubes, coils & solder fittings (Inch & Metric)
804056	see	Copper tubes, coils & solder fittings (Inch & Metric)
804057	see	Copper tubes, coils & solder fittings (Inch & Metric)
804058	see	Copper tubes, coils & solder fittings (Inch & Metric)
804059	see	Copper tubes, coils & solder fittings (Inch & Metric)
804061	see	Copper tubes, coils & solder fittings (Inch & Metric)
804062	see	Copper tubes, coils & solder fittings (Inch & Metric)
804063	see	Copper tubes, coils & solder fittings (Inch & Metric)
804065	see	Copper tubes, coils & solder fittings (Inch & Metric)
804067	see	Copper tubes, coils & solder fittings (Inch & Metric)
804068	see	Copper tubes, coils & solder fittings (Inch & Metric)
804069	see	Copper tubes, coils & solder fittings (Inch & Metric)
804070	see	Copper tubes, coils & solder fittings (Inch & Metric)
804071	see	Copper tubes, coils & solder fittings (Inch & Metric)
804072	see	Copper tubes, coils & solder fittings (Inch & Metric)
804073	see	Copper tubes, coils & solder fittings (Inch & Metric)
804074	see	Copper tubes, coils & solder fittings (Inch & Metric)
804075	see	Copper tubes, coils & solder fittings (Inch & Metric)
804076	see	Copper tubes, coils & solder fittings (Inch & Metric)
804077	see	Copper tubes, coils & solder fittings (Inch & Metric)
804078	see	Copper tubes, coils & solder fittings (Inch & Metric)
804079	see	Copper tubes, coils & solder fittings (Inch & Metric)
804080	see	Copper tubes, coils & solder fittings (Inch & Metric)
804081	see	Copper tubes, coils & solder fittings (Inch & Metric)
804082	see	Copper tubes, coils & solder fittings (Inch & Metric)
804083	see	Copper tubes, coils & solder fittings (Inch & Metric)
804084	see	Copper tubes, coils & solder fittings (Inch & Metric)
804085	see	Copper tubes, coils & solder fittings (Inch & Metric)
804086	see	Copper tubes, coils & solder fittings (Inch & Metric)
804087	see	Copper tubes, coils & solder fittings (Inch & Metric)
804088	see	Copper tubes, coils & solder fittings (Inch & Metric)
804089	see	Copper tubes, coils & solder fittings (Inch & Metric)
804090	see	Copper tubes, coils & solder fittings (Inch & Metric)
804091	see	Copper tubes, coils & solder fittings (Inch & Metric)
804092	see	Copper tubes, coils & solder fittings (Inch & Metric)
804093	see	Copper tubes, coils & solder fittings (Inch & Metric)
804094	see	Copper tubes, coils & solder fittings (Inch & Metric)
804095	see	Copper tubes, coils & solder fittings (Inch & Metric)
804096	see	Copper tubes, coils & solder fittings (Inch & Metric)
804097	see	Copper tubes, coils & solder fittings (Inch & Metric)
804098	see	Copper tubes, coils & solder fittings (Inch & Metric)
804099	see	Copper tubes, coils & solder fittings (Inch & Metric)
804106	see	Copper tubes, coils & solder fittings (Inch & Metric)
804131	see	Copper tubes, coils & solder fittings (Inch & Metric)
804208	see	Copper tubes, coils & solder fittings (Inch & Metric)
804209	see	Copper tubes, coils & solder fittings (Inch & Metric)
804228	see	Copper tubes, coils & solder fittings (Inch & Metric)
804229	see	Copper tubes, coils & solder fittings (Inch & Metric)
804230	see	Copper tubes, coils & solder fittings (Inch & Metric)
804259	see	Copper tubes, coils & solder fittings (Inch & Metric)
804283	see	Copper tubes, coils & solder fittings (Inch & Metric)
8057205	see	Tube working tools
806	see	Copper tubes, coils & solder fittings (Inch & Metric)
806020	see	Copper tubes, coils & solder fittings (Inch & Metric)
806025	see	Copper tubes, coils & solder fittings (Inch & Metric)
806032	see	Copper tubes, coils & solder fittings (Inch & Metric)
806036	see	Copper tubes, coils & solder fittings (Inch & Metric)
806041	see	Copper tubes, coils & solder fittings (Inch & Metric)
806045	see	Copper tubes, coils & solder fittings (Inch & Metric)
806048	see	Copper tubes, coils & solder fittings (Inch & Metric)
806051	see	Copper tubes, coils & solder fittings (Inch & Metric)
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806056	see	Copper tubes, coils & solder fittings (Inch & Metric)
806058	see	Copper tubes, coils & solder fittings (Inch & Metric)
806060	see	Copper tubes, coils & solder fittings (Inch & Metric)
806069	see	Copper tubes, coils & solder fittings (Inch & Metric)
806074	see	Copper tubes, coils & solder fittings (Inch & Metric)
806077	see	Copper tubes, coils & solder fittings (Inch & Metric)
806084	see	Copper tubes, coils & solder fittings (Inch & Metric)
806092	see	Copper tubes, coils & solder fittings (Inch & Metric)
806095	see	Copper tubes, coils & solder fittings (Inch & Metric)
807002	see	Copper tubes, coils & solder fittings (Inch & Metric)
807004	see	Copper tubes, coils & solder fittings (Inch & Metric)
807006	see	Copper tubes, coils & solder fittings (Inch & Metric)
807007	see	Copper tubes, coils & solder fittings (Inch & Metric)
807008	see	Copper tubes, coils & solder fittings (Inch & Metric)
807009	see	Copper tubes, coils & solder fittings (Inch & Metric)
807011	see	Copper tubes, coils & solder fittings (Inch & Metric)
807012	see	Copper tubes, coils & solder fittings (Inch & Metric)
807013	see	Copper tubes, coils & solder fittings (Inch & Metric)
807014	see	Copper tubes, coils & solder fittings (Inch & Metric)
807015	see	Copper tubes, coils & solder fittings (Inch & Metric)

Part. nr.	Pdf file	
807016	see	Copper tubes, coils & solder fittings (Inch & Metric)
807017	see	Copper tubes, coils & solder fittings (Inch & Metric)
807018	see	Copper tubes, coils & solder fittings (Inch & Metric)
808001	see	Copper tubes, coils & solder fittings (Inch & Metric)
808002	see	Copper tubes, coils & solder fittings (Inch & Metric)
808003	see	Copper tubes, coils & solder fittings (Inch & Metric)
808004	see	Copper tubes, coils & solder fittings (Inch & Metric)
808005	see	Copper tubes, coils & solder fittings (Inch & Metric)
8085105	see	Tube working tools
8085205	see	Tube working tools
810100	see	Copper tubes, coils & solder fittings (Inch & Metric)
810101	see	Copper tubes, coils & solder fittings (Inch & Metric)
810107	see	Copper tubes, coils & solder fittings (Inch & Metric)
810108	see	Copper tubes, coils & solder fittings (Inch & Metric)
810109	see	Copper tubes, coils & solder fittings (Inch & Metric)
810110	see	Copper tubes, coils & solder fittings (Inch & Metric)
810111	see	Copper tubes, coils & solder fittings (Inch & Metric)
810130	see	Copper tubes, coils & solder fittings (Inch & Metric)
810141	see	Copper tubes, coils & solder fittings (Inch & Metric)
810142	see	Copper tubes, coils & solder fittings (Inch & Metric)
810143	see	Copper tubes, coils & solder fittings (Inch & Metric)
810144	see	Copper tubes, coils & solder fittings (Inch & Metric)
810145	see	Copper tubes, coils & solder fittings (Inch & Metric)
810146	see	Copper tubes, coils & solder fittings (Inch & Metric)
810147	see	Copper tubes, coils & solder fittings (Inch & Metric)
810148	see	Copper tubes, coils & solder fittings (Inch & Metric)
810149	see	Copper tubes, coils & solder fittings (Inch & Metric)
810150	see	Copper tubes, coils & solder fittings (Inch & Metric)
810151	see	Copper tubes, coils & solder fittings (Inch & Metric)
810152	see	Copper tubes, coils & solder fittings (Inch & Metric)
810153	see	Copper tubes, coils & solder fittings (Inch & Metric)
810154	see	Copper tubes, coils & solder fittings (Inch & Metric)
810155	see	Copper tubes, coils & solder fittings (Inch & Metric)
810156	see	Copper tubes, coils & solder fittings (Inch & Metric)
810157	see	Copper tubes, coils & solder fittings (Inch & Metric)
8201505	see	Tube working tools
823-B	see	Service manifolds, gauges and charging hoses
823-BC	see	Service manifolds, gauges and charging hoses
823-BC/247	see	Service manifolds, gauges and charging hoses
823-BC/27	see	Service manifolds, gauges and charging hoses
823-BC/4	see	Service manifolds, gauges and charging hoses
823-BC/447	see	Service manifolds, gauges and charging hoses
823-BC/447-1.0	see	Service manifolds, gauges and charging hoses
823-BC-1.0	see	Service manifolds, gauges and charging hoses
823-BPC	see	Service manifolds, gauges and charging hoses
823-BPC/410	see	Service manifolds, gauges and charging hoses
823-BPC/410/27	see	Service manifolds, gauges and charging hoses
823-BPC/410-1.0	see	Service manifolds, gauges and charging hoses
823-C-B	see	Service manifolds, gauges and charging hoses
823-C-BC	see	Service manifolds, gauges and charging hoses
823-C-BC/247	see	Service manifolds, gauges and charging hoses
823-C-BC/27	see	Service manifolds, gauges and charging hoses
823-C-BC/4	see	Service manifolds, gauges and charging hoses
823-C-BC/447	see	Service manifolds, gauges and charging hoses
823-C-BPC	see	Service manifolds, gauges and charging hoses
823-C-BPC/410	see	Service manifolds, gauges and charging hoses
823-C-BPC/410/27	see	Service manifolds, gauges and charging hoses
823-G-BC	see	Service manifolds, gauges and charging hoses
823-G-BC/247	see	Service manifolds, gauges and charging hoses
823-G-BC/4	see	Service manifolds, gauges and charging hoses
823-G-BC/447	see	Service manifolds, gauges and charging hoses
823-G-BPC	see	Service manifolds, gauges and charging hoses
823-S-B	see	Service manifolds, gauges and charging hoses
823-S-B	see	Service manifolds, gauges and charging hoses
823-S-BC	see	Service manifolds, gauges and charging hoses
823-S-BC/247	see	Service manifolds, gauges and charging hoses
823-S-BC/27	see	Service manifolds, gauges and charging hoses
823-S-BC/4	see	Service manifolds, gauges and charging hoses
823-S-BC/447	see	Service manifolds, gauges and charging hoses
823-S-BC/447-1.0	see	Service manifolds, gauges and charging hoses
823-S-BC-1.0	see	Service manifolds, gauges and charging hoses
823-S-BPC	see	Service manifolds, gauges and charging hoses
823-S-BPC/410	see	Service manifolds, gauges and charging hoses
823-S-BPC/410/27	see	Service manifolds, gauges and charging hoses
823-S-BPC/410-1.0	see	Service manifolds, gauges and charging hoses
823-WM-B	see	Service manifolds, gauges and charging hoses
823-WM-BC	see	Service manifolds, gauges and charging hoses
823-WM-BC/247	see	Service manifolds, gauges and charging hoses
823-WM-BC/27	see	Service manifolds, gauges and charging hoses
823-WM-BC/4	see	Service manifolds, gauges and charging hoses
823-WM-BC/447	see	Service manifolds, gauges and charging hoses
823-WM-BPC	see	Service manifolds, gauges and charging hoses
823-WM-BPC/410	see	Service manifolds, gauges and charging hoses
823-WM-BPC/410/27	see	Service manifolds, gauges and charging hoses
825-B	see	Service manifolds, gauges and charging hoses
825-BC	see	Service manifolds, gauges and charging hoses
825-BC/247	see	Service manifolds, gauges and charging hoses
825-BC/27	see	Service manifolds, gauges and charging hoses
825-BC/4	see	Service manifolds, gauges and charging hoses
825-BC/447	see	Service manifolds, gauges and charging hoses
825-BC/447-1.0	see	Service manifolds, gauges and charging hoses
825-BC-1.0	see	Service manifolds, gauges and charging hoses
825-BPC	see	Service manifolds, gauges and charging hoses
825-BPC/410	see	Service manifolds, gauges and charging hoses
825-BPC/410/27	see	Service manifolds, gauges and charging hoses

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Part. nr.	Pdf file	
825-BPC/410-1.0	see	Service manifolds, gauges and charging hoses
825-C-B	see	Service manifolds, gauges and charging hoses
825-C-BC	see	Service manifolds, gauges and charging hoses
825-C-BC/247	see	Service manifolds, gauges and charging hoses
825-C-BC/27	see	Service manifolds, gauges and charging hoses
825-C-BC/4	see	Service manifolds, gauges and charging hoses
825-C-BC/447	see	Service manifolds, gauges and charging hoses
825-C-BPC	see	Service manifolds, gauges and charging hoses
825-C-BPC/410	see	Service manifolds, gauges and charging hoses
825-C-BPC/410/27	see	Service manifolds, gauges and charging hoses
825-G-BC	see	Service manifolds, gauges and charging hoses
825-G-BC/247	see	Service manifolds, gauges and charging hoses
825-G-BC/4	see	Service manifolds, gauges and charging hoses
825-G-BC/447	see	Service manifolds, gauges and charging hoses
825-G-BPC	see	Service manifolds, gauges and charging hoses
825-S-B	see	Service manifolds, gauges and charging hoses
825-S-BC	see	Service manifolds, gauges and charging hoses
825-S-BC/247	see	Service manifolds, gauges and charging hoses
825-S-BC/27	see	Service manifolds, gauges and charging hoses
825-S-BC/4	see	Service manifolds, gauges and charging hoses
825-S-BC/447	see	Service manifolds, gauges and charging hoses
825-S-BC/447-1.0	see	Service manifolds, gauges and charging hoses
825-S-BC-1.0	see	Service manifolds, gauges and charging hoses
825-S-BPC	see	Service manifolds, gauges and charging hoses
825-S-BPC/410	see	Service manifolds, gauges and charging hoses
825-S-BPC/410/27	see	Service manifolds, gauges and charging hoses
825-S-BPC/410-1.0	see	Service manifolds, gauges and charging hoses
825-WM-B	see	Service manifolds, gauges and charging hoses
825-WM-BC	see	Service manifolds, gauges and charging hoses
825-WM-BC/247	see	Service manifolds, gauges and charging hoses
825-WM-BC/27	see	Service manifolds, gauges and charging hoses
825-WM-BC/4	see	Service manifolds, gauges and charging hoses
825-WM-BC/447	see	Service manifolds, gauges and charging hoses
825-WM-BPC	see	Service manifolds, gauges and charging hoses
825-WM-BPC/410	see	Service manifolds, gauges and charging hoses
825-WM-BPC/410/27	see	Service manifolds, gauges and charging hoses
827-VRP	see	Service manifolds, gauges and charging hoses
840100	see	Copper tubes, coils & solder fittings (Inch & Metric)
840101	see	Copper tubes, coils & solder fittings (Inch & Metric)
840102	see	Copper tubes, coils & solder fittings (Inch & Metric)
840103	see	Copper tubes, coils & solder fittings (Inch & Metric)
840104	see	Copper tubes, coils & solder fittings (Inch & Metric)
840105	see	Copper tubes, coils & solder fittings (Inch & Metric)
840106	see	Copper tubes, coils & solder fittings (Inch & Metric)
840107	see	Copper tubes, coils & solder fittings (Inch & Metric)
840108	see	Copper tubes, coils & solder fittings (Inch & Metric)
840109	see	Copper tubes, coils & solder fittings (Inch & Metric)
840110	see	Copper tubes, coils & solder fittings (Inch & Metric)
840111	see	Copper tubes, coils & solder fittings (Inch & Metric)
840112	see	Copper tubes, coils & solder fittings (Inch & Metric)
840113	see	Copper tubes, coils & solder fittings (Inch & Metric)
840114	see	Copper tubes, coils & solder fittings (Inch & Metric)
840115	see	Copper tubes, coils & solder fittings (Inch & Metric)
840116	see	Copper tubes, coils & solder fittings (Inch & Metric)
840117	see	Copper tubes, coils & solder fittings (Inch & Metric)
840118	see	Copper tubes, coils & solder fittings (Inch & Metric)
840119	see	Copper tubes, coils & solder fittings (Inch & Metric)
840120	see	Copper tubes, coils & solder fittings (Inch & Metric)
840121	see	Copper tubes, coils & solder fittings (Inch & Metric)
840122	see	Copper tubes, coils & solder fittings (Inch & Metric)
840123	see	Copper tubes, coils & solder fittings (Inch & Metric)
840124	see	Copper tubes, coils & solder fittings (Inch & Metric)
840125	see	Copper tubes, coils & solder fittings (Inch & Metric)
840126	see	Copper tubes, coils & solder fittings (Inch & Metric)
840127	see	Copper tubes, coils & solder fittings (Inch & Metric)
840128	see	Copper tubes, coils & solder fittings (Inch & Metric)
840129	see	Copper tubes, coils & solder fittings (Inch & Metric)
840130	see	Copper tubes, coils & solder fittings (Inch & Metric)
840131	see	Copper tubes, coils & solder fittings (Inch & Metric)
840132	see	Copper tubes, coils & solder fittings (Inch & Metric)
840133	see	Copper tubes, coils & solder fittings (Inch & Metric)
840134	see	Copper tubes, coils & solder fittings (Inch & Metric)
840135	see	Copper tubes, coils & solder fittings (Inch & Metric)
840136	see	Copper tubes, coils & solder fittings (Inch & Metric)
840137	see	Copper tubes, coils & solder fittings (Inch & Metric)
840138	see	Copper tubes, coils & solder fittings (Inch & Metric)
840139	see	Copper tubes, coils & solder fittings (Inch & Metric)
840140	see	Copper tubes, coils & solder fittings (Inch & Metric)
840141	see	Copper tubes, coils & solder fittings (Inch & Metric)
840142	see	Copper tubes, coils & solder fittings (Inch & Metric)
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840146	see	Copper tubes, coils & solder fittings (Inch & Metric)
840147	see	Copper tubes, coils & solder fittings (Inch & Metric)
840148	see	Copper tubes, coils & solder fittings (Inch & Metric)
840149	see	Copper tubes, coils & solder fittings (Inch & Metric)
840150	see	Copper tubes, coils & solder fittings (Inch & Metric)
840151	see	Copper tubes, coils & solder fittings (Inch & Metric)
840152	see	Copper tubes, coils & solder fittings (Inch & Metric)
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840154	see	Copper tubes, coils & solder fittings (Inch & Metric)
840155	see	Copper tubes, coils & solder fittings (Inch & Metric)
840156	see	Copper tubes, coils & solder fittings (Inch & Metric)
840157	see	Copper tubes, coils & solder fittings (Inch & Metric)

Part. nr.	Pdf file	
840158	see	Copper tubes, coils & solder fittings (Inch & Metric)
840159	see	Copper tubes, coils & solder fittings (Inch & Metric)
840161	see	Copper tubes, coils & solder fittings (Inch & Metric)
840162	see	Copper tubes, coils & solder fittings (Inch & Metric)
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840165	see	Copper tubes, coils & solder fittings (Inch & Metric)
840167	see	Copper tubes, coils & solder fittings (Inch & Metric)
840174	see	Copper tubes, coils & solder fittings (Inch & Metric)
840178	see	Copper tubes, coils & solder fittings (Inch & Metric)
840179	see	Copper tubes, coils & solder fittings (Inch & Metric)
840181	see	Copper tubes, coils & solder fittings (Inch & Metric)
840190	see	Copper tubes, coils & solder fittings (Inch & Metric)
840191	see	Copper tubes, coils & solder fittings (Inch & Metric)
840192	see	Copper tubes, coils & solder fittings (Inch & Metric)
840193	see	Copper tubes, coils & solder fittings (Inch & Metric)
840194	see	Copper tubes, coils & solder fittings (Inch & Metric)
840195	see	Copper tubes, coils & solder fittings (Inch & Metric)
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840198	see	Copper tubes, coils & solder fittings (Inch & Metric)
840200	see	Copper tubes, coils & solder fittings (Inch & Metric)
840204	see	Copper tubes, coils & solder fittings (Inch & Metric)
840205	see	Copper tubes, coils & solder fittings (Inch & Metric)
840206	see	Copper tubes, coils & solder fittings (Inch & Metric)
840208	see	Copper tubes, coils & solder fittings (Inch & Metric)
840212	see	Copper tubes, coils & solder fittings (Inch & Metric)
840213	see	Copper tubes, coils & solder fittings (Inch & Metric)
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840220	see	Copper tubes, coils & solder fittings (Inch & Metric)
840221	see	Copper tubes, coils & solder fittings (Inch & Metric)
840222	see	Copper tubes, coils & solder fittings (Inch & Metric)
840230	see	Copper tubes, coils & solder fittings (Inch & Metric)
840231	see	Copper tubes, coils & solder fittings (Inch & Metric)
840232	see	Copper tubes, coils & solder fittings (Inch & Metric)
840233	see	Copper tubes, coils & solder fittings (Inch & Metric)
840234	see	Copper tubes, coils & solder fittings (Inch & Metric)
840235	see	Copper tubes, coils & solder fittings (Inch & Metric)
840236	see	Copper tubes, coils & solder fittings (Inch & Metric)
840237	see	Copper tubes, coils & solder fittings (Inch & Metric)
840238	see	Copper tubes, coils & solder fittings (Inch & Metric)
840239	see	Copper tubes, coils & solder fittings (Inch & Metric)
840240	see	Copper tubes, coils & solder fittings (Inch & Metric)
840243	see	Copper tubes, coils & solder fittings (Inch & Metric)
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840250	see	Copper tubes, coils & solder fittings (Inch & Metric)
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840257	see	Copper tubes, coils & solder fittings (Inch & Metric)
840258	see	Copper tubes, coils & solder fittings (Inch & Metric)
840259	see	Copper tubes, coils & solder fittings (Inch & Metric)
840302	see	Copper tubes, coils & solder fittings (Inch & Metric)
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840313	see	Copper tubes, coils & solder fittings (Inch & Metric)
840324	see	Copper tubes, coils & solder fittings (Inch & Metric)
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840332	see	Copper tubes, coils & solder fittings (Inch & Metric)
840334	see	Copper tubes, coils & solder fittings (Inch & Metric)
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840358	see	Copper tubes, coils & solder fittings (Inch & Metric)
840363	see	Copper tubes, coils & solder fittings (Inch & Metric)
840364	see	Copper tubes, coils & solder fittings (Inch & Metric)
840366	see	Copper tubes, coils & solder fittings (Inch & Metric)
840367	see	Copper tubes, coils & solder fittings (Inch & Metric)
840368	see	Copper tubes, coils & solder fittings (Inch & Metric)
840500	see	Copper tubes, coils & solder fittings (Inch & Metric)
840503	see	Copper tubes, coils & solder fittings (Inch & Metric)
840504	see	Copper tubes, coils & solder fittings (Inch & Metric)
840505	see	Copper tubes, coils & solder fittings (Inch & Metric)
84617-E/N	see	Service manifolds, gauges and charging hoses
860110	see	Copper tubes, coils & solder fittings (Inch & Metric)
860111	see	Copper tubes, coils & solder fittings (Inch & Metric)
860121	see	Copper tubes, coils & solder fittings (Inch & Metric)
860131	see	Copper tubes, coils & solder fittings (Inch & Metric)
860140	see	Copper tubes, coils & solder fittings (Inch & Metric)
860999	see	Copper tubes, coils & solder fittings (Inch & Metric)
861000	see	Copper tubes, coils & solder fittings (Inch & Metric)
861001	see	Copper tubes, coils & solder fittings (Inch & Metric)
861002	see	Copper tubes, coils & solder fittings (Inch & Metric)
861003	see	Copper tubes, coils & solder fittings (Inch & Metric)
861008	see	Copper tubes, coils & solder fittings (Inch & Metric)
861009	see	Copper tubes, coils & solder fittings (Inch & Metric)
86107	see	Inline components and accessories

Part. nr.	Pdf file	
86109	see	Inline components and accessories
86111	see	Inline components and accessories
8694405	see	Tube working tools
8694405	see	Tube working tools
8921626-E	see	Service manifolds, gauges and charging hoses
8921626-E	see	Service manifolds, gauges and charging hoses
93-S-03	see	Tube working tools
93-S-04	see	Tube working tools
93-S-05	see	Tube working tools
93-S-06	see	Tube working tools
93-S-08	see	Tube working tools
93-S-10	see	Tube working tools
93-S-12	see	Tube working tools
93-S-14	see	Tube working tools
94-S	see	Tube working tools
95-S	see	Tube working tools
A01203	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01211	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01278	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01366	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01392	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01402	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01409	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01422	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01431	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01467	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01504	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01529	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01556	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01590	see	Copper tubes, coils & solder fittings (Inch & Metric)
A01628	see	Copper tubes, coils & solder fittings (Inch & Metric)
A02273	see	Copper tubes, coils & solder fittings (Inch & Metric)
A02529	see	Copper tubes, coils & solder fittings (Inch & Metric)
A02574	see	Copper tubes, coils & solder fittings (Inch & Metric)
A02614	see	Copper tubes, coils & solder fittings (Inch & Metric)
A02650	see	Copper tubes, coils & solder fittings (Inch & Metric)
A02675	see	Copper tubes, coils & solder fittings (Inch & Metric)
A02708	see	Copper tubes, coils & solder fittings (Inch & Metric)
A03167	see	Copper tubes, coils & solder fittings (Inch & Metric)
A03168	see	Copper tubes, coils & solder fittings (Inch & Metric)
A03171	see	Copper tubes, coils & solder fittings (Inch & Metric)
A07812	see	Copper tubes, coils & solder fittings (Inch & Metric)
A07813	see	Copper tubes, coils & solder fittings (Inch & Metric)
A07814	see	Copper tubes, coils & solder fittings (Inch & Metric)
A07815	see	Copper tubes, coils & solder fittings (Inch & Metric)
A07816	see	Copper tubes, coils & solder fittings (Inch & Metric)
A07817	see	Copper tubes, coils & solder fittings (Inch & Metric)
A07819	see	Copper tubes, coils & solder fittings (Inch & Metric)
A-10971	see	Tube working tools
A11205	see	Copper tubes, coils & solder fittings (Inch & Metric)
A11206	see	Copper tubes, coils & solder fittings (Inch & Metric)
A11207	see	Copper tubes, coils & solder fittings (Inch & Metric)
A11216	see	Copper tubes, coils & solder fittings (Inch & Metric)
A11217	see	Copper tubes, coils & solder fittings (Inch & Metric)
A-3	see	Automatic access valves & fittings
AA-HDS-36-B	see	Service manifolds, gauges and charging hoses
AA-HDS-36-B/V	see	Service manifolds, gauges and charging hoses
AA-HDS-36-R	see	Service manifolds, gauges and charging hoses
AA-HDS-36-R/V	see	Service manifolds, gauges and charging hoses
AA-HDS-36-Y	see	Service manifolds, gauges and charging hoses
AA-HDS-36-Y/V	see	Service manifolds, gauges and charging hoses
AA-HDS-60-B	see	Service manifolds, gauges and charging hoses
AA-HDS-60-B/V	see	Service manifolds, gauges and charging hoses
AA-HDS-60-R	see	Service manifolds, gauges and charging hoses
AA-HDS-60-R/V	see	Service manifolds, gauges and charging hoses
AA-HDS-60-Y	see	Service manifolds, gauges and charging hoses
AA-HDS-60-Y/V	see	Service manifolds, gauges and charging hoses
AA-HDS-72-B	see	Service manifolds, gauges and charging hoses
AA-HDS-72-R	see	Service manifolds, gauges and charging hoses
AA-HDS-72-Y	see	Service manifolds, gauges and charging hoses
AC-BP	see	Automatic access valves & fittings
AC-HP	see	Automatic access valves & fittings
ACID-118	see	Refrigeration accessories
ACK-001	see	Fluid control components
ACK-003	see	Fluid control components
ACK-004	see	Fluid control components
ACK-004	see	Fluid control components
ACK-004	see	Fluid control components
ACK-004	see	Fluid control components
ACK-004	see	Fluid control components
ACK-004	see	Fluid control components
ACK-004	see	Fluid control components
ACK-005	see	Fluid control components
ACK-005	see	Fluid control components
ACK-007	see	Fluid control components
ACK-007	see	Fluid control components
ACK-007	see	Fluid control components
ACK-008	see	Fluid control components
ACK-008	see	Fluid control components
ACT-6	see	Tube working tools
ADP-0604	see	Tube working tools
ADP-0608	see	Tube working tools
AG-100	see	Refrigeration accessories
AG-2	see	Refrigeration accessories
AM-05	see	Fluid control components

Part. nr.	Pdf file	
AM-10	see	Fluid control components
AM-25	see	Fluid control components
AM-HDS-36-B	see	Service manifolds, gauges and charging hoses
AM-HDS-36-R	see	Service manifolds, gauges and charging hoses
AM-HDS-36-Y	see	Service manifolds, gauges and charging hoses
AM-HDS-60-B	see	Service manifolds, gauges and charging hoses
AM-HDS-60-R	see	Service manifolds, gauges and charging hoses
AM-HDS-60-Y	see	Service manifolds, gauges and charging hoses
AM-HDS-72-B	see	Service manifolds, gauges and charging hoses
AM-HDS-72-R	see	Service manifolds, gauges and charging hoses
AMS-065	see	Tube working tools
AMS-070	see	Tube working tools
AMS-090	see	Tube working tools
AMS-100	see	Tube working tools
AMS-120	see	Tube working tools
AMS-181	see	Tube working tools
AP-1	see	Automatic access valves & fittings
AP-2	see	Automatic access valves & fittings
ATC-30	see	Refrigeration accessories
ATF-30	see	Refrigeration accessories
ATK-4	see	Refrigeration accessories
ATW-06-0	see	Tube working tools
ATW-2080	see	Tube working tools
AV2-456	see	Automatic access valves & fitting
AV-34	see	Automatic access valves & fitting
AV-46	see	Automatic access valves & fitting
AVC-6	see	Automatic access valves & fitting
AVCA-BP	see	Automatic access valves & fitting
AVCA-HP	see	Automatic access valves & fitting
AVC-GD	see	Automatic access valves & fitting
AVC-GD/HNBR	see	Automatic access valves & fitting
AVC-HNBR	see	Automatic access valves & fitting
AVCI-BP	see	Automatic access valves & fitting
AVCI-HP	see	Automatic access valves & fitting
AVC-JRA	see	Automatic access valves & fitting
AVC-NEO/TEFLON	see	Automatic access valves & fitting
AVC-NEOPRENE	see	Automatic access valves & fitting
AVU-04	see	Automatic access valves & fitting
AVU-24	see	Automatic access valves & fitting
AVU-44	see	Automatic access valves & fitting
AVU-45	see	Automatic access valves & fitting
B1-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
B1-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
B1-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
B1-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
B1-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
B2-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
B2-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
B2-05	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
B2-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
B2-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
B2-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
B2-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
B-602	see	Tube working tools
B-604	see	Tube working tools
B-607	see	Tube working tools
B-610	see	Tube working tools
B-613	see	Tube working tools
B-616	see	Tube working tools
B-619	see	Tube working tools
B-622	see	Tube working tools
B-625	see	Tube working tools
B-628	see	Tube working tools
B-631	see	Tube working tools
B-633	see	Tube working tools
B-702	see	Tube working tools
B-704	see	Tube working tools
B-707	see	Tube working tools
B-710	see	Tube working tools
B-713	see	Tube working tools
B-716	see	Tube working tools
B-719	see	Tube working tools
B-722	see	Tube working tools
B-725	see	Tube working tools
B-728	see	Tube working tools
B-731	see	Tube working tools
B-733	see	Tube working tools
B-804	see	Tube working tools
B-807	see	Tube working tools
B-810	see	Tube working tools
B-813	see	Tube working tools
B-816	see	Tube working tools
B-822	see	Tube working tools
B-828	see	Tube working tools
B-833	see	Tube working tools
BB-9	see	Refrigeration accessories
BCV-05	see	Fluid control components
BCV-07	see	Fluid control components
BCV-09	see	Fluid control components
BCV-11	see	Fluid control components
BCV-4-4	see	Fluid control components
BCV-4-6	see	Fluid control components
BE-24	see	Tube working tools
BE-36	see	Tube working tools
BE-48	see	Tube working tools

Part. nr.	Pdf file	
BF-01	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-20	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-24	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-28-154	see	Refrigeration accessories
BF-28-172	see	Refrigeration accessories
BF-28-200	see	Refrigeration accessories
BF-28-230	see	Refrigeration accessories
BF-28-254	see	Refrigeration accessories
BF-28-300	see	Refrigeration accessories
BF-S-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-S-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-S-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-S-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-S-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-S-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-S-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-S-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BF-S-20	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BH-1	see	Tube working tools
BH-100	see	Fluid control components
BH-1000	see	Fluid control components
BH-150	see	Fluid control components
BH-200	see	Fluid control components
BH-300	see	Fluid control components
BH-33	see	Fluid control components
BH-50	see	Fluid control components
BH-500	see	Fluid control components
BH-750	see	Fluid control components
BLOCK-ITE	see	Refrigeration accessories
BLT-024	see	Fluid control components
BLT-048	see	Fluid control components
BLT-100	see	Fluid control components
BLUE-R-95	see	Evacuating and charging equipment
BM-01	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BM-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BM-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BM-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BM-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BM-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BM-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BM-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BM-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BM-20	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BM-24	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-101	see	Tube working tools
BS-102-04	see	Service manifolds, gauges and charging hoses
BS-102-04	see	Tube working tools
BS-102-05/8mm	see	Tube working tools
BS-102-05/8mm	see	Tube working tools
BS-102-06	see	Service manifolds, gauges and charging hoses
BS-102-06	see	Tube working tools
BS-102-06mm	see	Tube working tools
BS-102-08	see	Service manifolds, gauges and charging hoses
BS-102-08	see	Tube working tools
BS-102-10	see	Service manifolds, gauges and charging hoses
BS-102-10	see	Tube working tools
BS-102-10mm	see	Tube working tools
BS-102-12	see	Service manifolds, gauges and charging hoses
BS-102-12	see	Tube working tools
BS-102-12mm	see	Tube working tools
BS-102-19mm	see	Tube working tools
BS-12	see	Valves, fittings and tubes
BS-163	see	Tube working tools
BSG-104	see	Fluid control components
BSG-106	see	Fluid control components
BSG-108	see	Fluid control components
BSG-110	see	Fluid control components
BSG-112	see	Fluid control components
BSG-116	see	Fluid control components
BSG-M2615	see	Fluid control components
BSG-M3615	see	Fluid control components
BSG-M522	see	Fluid control components
BS-S-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-S-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-S-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-S-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-S-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-S-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-S-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BS-S-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
BTV-1	see	Automatic access valves & fittings

Part. nr.	Pdf file	
BTV-2	see	Automatic access valves & fittings
BTV-3	see	Automatic access valves & fittings
BVA-04B	see	Automatic access valves & fittings
BVA-04B	see	Fluid control components
BVA-04R	see	Automatic access valves & fittings
BVA-04R	see	Fluid control components
BVA-04Y	see	Automatic access valves & fittings
BVA-04Y	see	Fluid control components
BVA-05-04B	see	Automatic access valves & fittings
BVA-05-04B	see	Fluid control components
BVA-05-04R	see	Automatic access valves & fittings
BVA-05-04R	see	Fluid control components
BVA-05-04Y	see	Automatic access valves & fittings
BVA-05-04Y	see	Fluid control components
BVA-06R	see	Automatic access valves & fittings
BVA-06R	see	Fluid control components
BVS-02B	see	Automatic access valves & fittings
BVS-02B	see	Fluid control components
BVS-02R	see	Automatic access valves & fittings
BVS-02R	see	Fluid control components
BVS-02Y	see	Automatic access valves & fittings
BVS-02Y	see	Fluid control components
BVS-04-06B	see	Automatic access valves & fittings
BVS-04-06B	see	Fluid control components
BVS-04-06R	see	Automatic access valves & fittings
BVS-04-06R	see	Fluid control components
BVS-04-06Y	see	Automatic access valves & fittings
BVS-04-06Y	see	Fluid control components
BVS-04B	see	Automatic access valves & fittings
BVS-04B	see	Fluid control components
BVS-04R	see	Automatic access valves & fittings
BVS-04R	see	Fluid control components
BVS-04Y	see	Automatic access valves & fittings
BVS-04Y	see	Fluid control components
BVS-05-04B	see	Automatic access valves & fittings
BVS-05-04B	see	Fluid control components
BVS-05-04R	see	Automatic access valves & fittings
BVS-05-04R	see	Fluid control components
BVS-05-04Y	see	Automatic access valves & fittings
BVS-05-04Y	see	Fluid control components
BVS-06B	see	Automatic access valves & fittings
BVS-06B	see	Fluid control components
BVS-06B-M14	see	Automatic access valves & fittings
BVS-06B-M14	see	Fluid control components
BVS-06R	see	Automatic access valves & fittings
BVS-06R	see	Fluid control components
BVS-06Y	see	Automatic access valves & fittings
BVS-06Y	see	Fluid control components
BVS-1/2-ACME/Y	see	Automatic access valves & fittings
BVS-1/2-ACME/Y	see	Fluid control components
BVS-1L	see	Electronic measurement and control instruments
BVS-1L	see	Automatic access valves & fittings
BVS-1L-WS-005-1/4 SAE bottle + 1/4" SAE	see	Electronic measurement and control instruments
BVS-1L-WS-005-1/4 SAE bottle + 1/4" SAE	see	Automatic access valves & fittings
BVS-1L-WS-005-5/16 SAE bottle + 1/4" SAE	see	Electronic measurement and control instruments
BVS-1L-WS-005-5/16 SAE bottle + 1/4" SAE	see	Automatic access valves & fittings
BVS-1L-WS-005-7/16 SAE bottle + 1/4" SAE	see	Electronic measurement and control instruments
BVS-1L-WS-005-7/16 SAE bottle + 1/4" SAE	see	Automatic access valves & fittings
C1-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
C1-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CA-06/24-50	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-06/30-50	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-07/18-03	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-07/20-03	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-08/24-50	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-1	see	Automatic access valves & fittings
CA-10/23-036	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-10/30-50	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-12/24-50	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-13/23-036	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-13/23-30	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-15/30-50	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-16/31-036	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-20/30-50	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-20/40-50	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-25/40-50	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-30/40-50	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-30/50-50	see	Copper tubes, coils & solder fittings (Inch & Metric)
CA-5PAK	see	Copper tubes, coils & solder fittings (Inch & Metric)
CAP-RT08	see	Fluid control components
CAP-RT10	see	Fluid control components
CAP-RT14	see	Fluid control components
CARD	see	Tube working tools
CD-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CD-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CD-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CD-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CD-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CD-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CD-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"

Tel : +32 3 766 02 02
Fax: +32 3 766 10 67

Part. nr.	Pdf file	
CDR-03-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CDR-04-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CDR-06-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CDR-06-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CDR-08-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CDR-10-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CDR-12-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CDR-16-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CDR-16-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-45-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-45-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-45-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-45-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-45-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-45-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-90-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-90-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-90-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-90-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-90-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-90-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-90-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-90-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-45-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-45-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-45-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-45-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-45-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-45-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-45-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-45-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-45-20	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-45-24	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-90-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-90-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-90-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-90-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-90-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-90-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-90-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-90-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-90-20	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CFF-S-90-24	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CH-101	see	Refrigeration accessories
CH-102	see	Refrigeration accessories
CH-103	see	Refrigeration accessories
CH-105	see	Refrigeration accessories
CH-135	see	Refrigeration accessories
CH-197	see	Refrigeration accessories
CH-20	see	Service manifolds, gauges and charging hoses
CIT-080L	see	Electronic measurement and control instruments
CIT-080S	see	Electronic measurement and control instruments
CIT-120L	see	Electronic measurement and control instruments
CIT-120S	see	Electronic measurement and control instruments
CLASS »1.0« MANIFOLDS		seeService manifolds, gauges and charging hoses
CLIMEX	see	Inline components and accessories
CMF-90-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CMF-90-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CMF-90-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CMF-90-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CMF-90-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CMF-90-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CMT-080	see	Electronic measurement and control instruments
CMT-120	see	Electronic measurement and control instruments
CO-04I	see	Copper tubes, coils & solder fittings (Inch & Metric)
CO-04I	see	Copper tubes, coils & solder fittings (Inch & Metric)
CO-05I	see	Copper tubes, coils & solder fittings (Inch & Metric)
CO-06I	see	Copper tubes, coils & solder fittings (Inch & Metric)
CO-06I	see	Copper tubes, coils & solder fittings (Inch & Metric)
CO-08I	see	Copper tubes, coils & solder fittings (Inch & Metric)
CO-08I	see	Copper tubes, coils & solder fittings (Inch & Metric)
CO-10I	see	Copper tubes, coils & solder fittings (Inch & Metric)
CO-12I	see	Copper tubes, coils & solder fittings (Inch & Metric)
CO-14I	see	Copper tubes, coils & solder fittings (Inch & Metric)
COI-2OZ	see	Electronic measurement and control instruments
COI-2OZ	see	Evacuating and charging equipment
COV-024	see	Fluid control components
COV-048	see	Fluid control components
COV-100	see	Fluid control components
CR4-220	see	Electronic measurement and control instruments
CR4-220/KPP	see	Electronic measurement and control instruments
CR4-220/KTH	see	Electronic measurement and control instruments
CR4-220/KTH	see	Electronic measurement and control instruments
CR4-220/KTP	see	Electronic measurement and control instruments
CR4-220/KTT	see	Electronic measurement and control instruments
CR87-10	see	Electronic measurement and control instruments
CR87-14	see	Electronic measurement and control instruments
CR87-16	see	Electronic measurement and control instruments
CR87-17	see	Electronic measurement and control instruments
CR87-18	see	Electronic measurement and control instruments
CR87-22	see	Electronic measurement and control instruments
CR87B-220C	see	Electronic measurement and control instruments
CR87-S22	see	Electronic measurement and control instruments
CR87-S30	see	Electronic measurement and control instruments
CR87-SL3	see	Electronic measurement and control instruments

Part. nr.	Pdf file	
CRISTAL CLEAR	see	Service manifolds, gauges and charging hoses
CRISTAL CLEAR	see	Service manifolds, gauges and charging hoses
CRPEN	see	Electronic measurement and control instruments
CRPENB	see	Electronic measurement and control instruments
CRPENB	see	Electronic measurement and control instruments
CRPENR	see	Electronic measurement and control instruments
CRPENR	see	Electronic measurement and control instruments
CRX-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-S-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-S-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-S-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-S-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-S-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-S-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-S-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-S-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-S-20	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CRX-S-24	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
CSL-144-S	see	Fluid control components
CSL-145-S	see	Fluid control components
CSL-146-S	see	Fluid control components
CSL-147-S	see	Fluid control components
CSL-149-S	see	Fluid control components
CST-080	see	Electronic measurement and control instruments
CST-120	see	Electronic measurement and control instruments
CT-34	see	Service manifolds, gauges and charging hoses
CT-ACP	see	Refrigeration accessories
CTP-1	see	Tube working tools
CV-1G	see	Automatic access valves & fittings
CV-2G	see	Automatic access valves & fittings
CV-3G	see	Automatic access valves & fittings
CW08-22	see	Tube working tools
CW08-32	see	Tube working tools
CW10-22	see	Tube working tools
D02050	see	Copper tubes, coils & solder fittings (Inch & Metric)
D03050	see	Copper tubes, coils & solder fittings (Inch & Metric)
D04050	see	Copper tubes, coils & solder fittings (Inch & Metric)
D05050	see	Copper tubes, coils & solder fittings (Inch & Metric)
D06050	see	Copper tubes, coils & solder fittings (Inch & Metric)
D08050	see	Copper tubes, coils & solder fittings (Inch & Metric)
D-1 (WS-33)	see	Refrigeration accessories
D10050	see	Copper tubes, coils & solder fittings (Inch & Metric)
D12050	see	Copper tubes, coils & solder fittings (Inch & Metric)
D14050	see	Copper tubes, coils & solder fittings (Inch & Metric)
D18050	see	Copper tubes, coils & solder fittings (Inch & Metric)
D22050	see	Copper tubes, coils & solder fittings (Inch & Metric)
D26050	see	Copper tubes, coils & solder fittings (Inch & Metric)
DB-009	see	Refrigeration accessories
DB-061	see	Refrigeration accessories
DB-152	see	Refrigeration accessories
DB-157	see	Refrigeration accessories
DB-162	see	Refrigeration accessories
DC-5150	see	Tube working tools
DETEX	see	Refrigeration accessories
DGT-1415C	see	Electronic measurement and control instruments
DHC-06x09 mm	see	Refrigeration accessories
DHC-06x09/1M	see	Refrigeration accessories
DLC-040	see	Electronic measurement and control instruments
DLC-040-E	see	Electronic measurement and control instruments
DLC-052	see	Electronic measurement and control instruments
DLC-060	see	Electronic measurement and control instruments
DLC-080	see	Electronic measurement and control instruments
DLC-080-E	see	Electronic measurement and control instruments
DLC-120	see	Electronic measurement and control instruments
DLC-120-E	see	Electronic measurement and control instruments
DLC-160	see	Electronic measurement and control instruments
DLC-160-E	see	Electronic measurement and control instruments
DLC-200	see	Electronic measurement and control instruments
DLC-240	see	Electronic measurement and control instruments
DLC-240-E	see	Electronic measurement and control instruments
DLC-320	see	Electronic measurement and control instruments
DLC-360	see	Electronic measurement and control instruments
DLC-400	see	Electronic measurement and control instruments
DM-120C	see	Electronic measurement and control instruments
DM-1676	see	Fluid control components
DM-1677	see	Fluid control components
DM-1678	see	Fluid control components
DM-1679	see	Fluid control components
DMF-S-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
DMF-S-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
DMF-S-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
DMF-S-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
DMF-S-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
DMF-S-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
DMF-S-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
DMF-S-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
DMF-S-20	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
DMF-S-24	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
DPS-300C	see	Electronic measurement and control instruments

Part. nr.	Pdf file	
DS/O-12	see	Evacuating and charging equipment
DS/O-134/6	see	Evacuating and charging equipment
DT-1001C	see	Electronic measurement and control instruments
DT-1630	see	Electronic measurement and control instruments
DT-50	see	Refrigeration accessories
DTH-1628	see	Electronic measurement and control instruments
E-05	see	Tube working tools
E-06	see	Tube working tools
E-08	see	Tube working tools
E-10	see	Tube working tools
E1-03A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-04A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-04B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-04C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-05B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-06A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-06B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-06C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-06D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-08B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-08C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-08D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-08E	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-10C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-10D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-10E	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-12D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E1-12E	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E2-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E2-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E2-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E2-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E2-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E303-FT-036	see	Service manifolds, gauges and charging hoses
E303-FT-036	see	Service manifolds, gauges and charging hoses
E303-FT-036	see	Service manifolds, gauges and charging hoses
E303-FT-048	see	Service manifolds, gauges and charging hoses
E303-FT-060	see	Service manifolds, gauges and charging hoses
E303-FT-072	see	Service manifolds, gauges and charging hoses
E303-FT-120	see	Service manifolds, gauges and charging hoses
E3-04A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E3-04B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E3-05B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E3-06A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E3-06B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E3-06C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E3-06D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E3-08C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E3-08D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E3120-FTB	see	Service manifolds, gauges and charging hoses
E3120-FTR	see	Service manifolds, gauges and charging hoses
E3120-FTY	see	Service manifolds, gauges and charging hoses
E314-FTY	see	Service manifolds, gauges and charging hoses
E3-25D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E336-FTB	see	Service manifolds, gauges and charging hoses
E336-FTR	see	Service manifolds, gauges and charging hoses
E336-FTY	see	Service manifolds, gauges and charging hoses
E348-FTB	see	Service manifolds, gauges and charging hoses
E348-FTR	see	Service manifolds, gauges and charging hoses
E348-FTY	see	Service manifolds, gauges and charging hoses
E360-FTB	see	Service manifolds, gauges and charging hoses
E360-FTR	see	Service manifolds, gauges and charging hoses
E360-FTY	see	Service manifolds, gauges and charging hoses
E372-FTB	see	Service manifolds, gauges and charging hoses
E372-FTR	see	Service manifolds, gauges and charging hoses
E372-FTY	see	Service manifolds, gauges and charging hoses
E4-44	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E4-66	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E4-88	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
E5120-FTY	see	Service manifolds, gauges and charging hoses
E536-FTY	see	Service manifolds, gauges and charging hoses
E548-FTY	see	Service manifolds, gauges and charging hoses
E560-FTY	see	Service manifolds, gauges and charging hoses
E572-FTY	see	Service manifolds, gauges and charging hoses
EA-208A/V2	see	Electronic measurement and control instruments
EB-06	see	Tube working tools
EB-08	see	Tube working tools
EB-10	see	Tube working tools
EC-56	see	Tube working tools
EC-810	see	Tube working tools
EE-30	see	Tube working tools
EE-48	see	Tube working tools
EH-1	see	Tube working tools
EPOXY-GUM	see	Refrigeration accessories
ER2-0064	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
ER2-0084	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
ER2-0086	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
ER2-0108	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
ES4-0044	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
ES4-0066	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
ES4-0088	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
ES4-1010	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
ES4-1212	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
FB-11	see	Tube working tools
FB-2	see	Tube working tools

Part. nr.	Pdf file	
FB-3	see	Tube working tools
FB-4	see	Tube working tools
FB-5	see	Tube working tools
FB-6	see	Tube working tools
FB-7	see	Tube working tools
FB-8	see	Tube working tools
FB-9	see	Tube working tools
FC-351	see	Tube working tools
FCB-353	see	Tube working tools
FCG-607B	see	Electronic measurement and control instruments
FCG-607R	see	Electronic measurement and control instruments
FCHS-6	see	Tube working tools
FCS-6	see	Tube working tools
FCT-1	see	Service manifolds, gauges and charging hoses
FCT-2059	see	Service manifolds, gauges and charging hoses
FCT-2059-050SA	see	Service manifolds, gauges and charging hoses
FCT-2059-050SS	see	Service manifolds, gauges and charging hoses
FCT-2059-1000	see	Service manifolds, gauges and charging hoses
FCT-2059-100SA	see	Service manifolds, gauges and charging hoses
FCT-2059-100SS	see	Service manifolds, gauges and charging hoses
FCT-2059-150SA	see	Service manifolds, gauges and charging hoses
FCT-2059-150SS	see	Service manifolds, gauges and charging hoses
FCT-2059-200SA	see	Service manifolds, gauges and charging hoses
FCT-2059-200SS	see	Service manifolds, gauges and charging hoses
FCT-2059-5000	see	Service manifolds, gauges and charging hoses
FCT-4082B-050SA	see	Service manifolds, gauges and charging hoses
FCT-4082B-050SS	see	Service manifolds, gauges and charging hoses
FCT-4082B-1000	see	Service manifolds, gauges and charging hoses
FCT-4082B-100SA	see	Service manifolds, gauges and charging hoses
FCT-4082B-100SS	see	Service manifolds, gauges and charging hoses
FCT-4082B-150SA	see	Service manifolds, gauges and charging hoses
FCT-4082B-150SS	see	Service manifolds, gauges and charging hoses
FCT-4082B-200SA	see	Service manifolds, gauges and charging hoses
FCT-4082B-200SS	see	Service manifolds, gauges and charging hoses
FCT-4082B-5000	see	Service manifolds, gauges and charging hoses
FCT-FA-2059	see	Service manifolds, gauges and charging hoses
FCT-FNB-2059	see	Service manifolds, gauges and charging hoses
FCT-FNR-2059	see	Service manifolds, gauges and charging hoses
FCT-FS-2059	see	Service manifolds, gauges and charging hoses
FCT-FT-2059	see	Service manifolds, gauges and charging hoses
FCT-RFA-4082	see	Service manifolds, gauges and charging hoses
FCT-RFS-4082	see	Service manifolds, gauges and charging hoses
FCT-SET-2059C	see	Service manifolds, gauges and charging hoses
FLUX-1802-D	see	Copper tubes, coils & solder fittings (Inch & Metric)
FLUX-1802-PF	see	Copper tubes, coils & solder fittings (Inch & Metric)
FLUX-800-D	see	Copper tubes, coils & solder fittings (Inch & Metric)
FPA-168	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
FPA-210	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
FPA-283	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
FPB-168	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
FPB-210	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
FPB-283	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
FPC-168	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
FPC-210	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
FPC-283	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
FSBC-M6	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSBC-M8	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-0507	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-0507-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-0710	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-0710-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-1113	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-1113-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-1315	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-1315-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-1619	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-1619-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-2022	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-2022-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-2528	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-2528-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-3335	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-3335-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-4244	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-4244-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-5255	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-5255-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-5864	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-5864-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-6571	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-6571-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-7280	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-7280-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-8892	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-8892-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-98107	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCC-98107-R	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCO-3550	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSCO-3575	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSEC-3419	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSEC-3535	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSNK-30M10	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSNK-30M8	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSN-M10	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSN-M8	see	Copper tubes, coils & solder fittings (Inch & Metric)

Part. nr.	Pdf file	
FSP2-3419	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSP3-3535	see	Copper tubes, coils & solder fittings (Inch & Metric)
FST-275	see	Service manifolds, gauges and charging hoses
FST-275	see	Tube working tools
FST-275-C	see	Tube working tools
FST-275-M	see	Tube working tools
FST-450	see	Tube working tools
FST-450M	see	Tube working tools
FSTR-1M6	see	Copper tubes, coils & solder fittings (Inch & Metric)
FSTR-1M8	see	Copper tubes, coils & solder fittings (Inch & Metric)
FT-195	see	Tube working tools
FT-220	see	Tube working tools
FT-220-B	see	Tube working tools
FT-500	see	Tube working tools
FT-500-M	see	Service manifolds, gauges and charging hoses
FT-500-M	see	Tube working tools
FT-525	see	Tube working tools
FT-525	see	Service manifolds, gauges and charging hoses
FT-525/C	see	Tube working tools
FTE-080	see	Tube working tools
FTE-080-M	see	Tube working tools
FTE-089	see	Tube working tools
FTE-089-A	see	Tube working tools
FTE-800	see	Tube working tools
FTE-800-IM	see	Tube working tools
FTE-800-IMTRW	see	Tube working tools
FTE-800-IMTRWS	see	Tube working tools
FTE-800-IMTRWSP	see	Tube working tools
FTE-800-ITRWSP	see	Tube working tools
FTE-800-M	see	Tube working tools
G3F	see	Tube working tools
GCHS	see	Tube working tools
GHNBR-06	see	Tube working tools
GHNBR-08	see	Tube working tools
GHNBR-10	see	Tube working tools
GHNBR-12	see	Tube working tools
GL-050	see	Copper tubes, coils & solder fittings (Inch & Metric)
GL-250	see	Copper tubes, coils & solder fittings (Inch & Metric)
GLD-237	see	Refrigeration accessories
GLD-3790	see	Refrigeration accessories
GLD-947	see	Refrigeration accessories
GRT-143	see	Fluid control components
GRT-191	see	Fluid control components
GRT-254	see	Fluid control components
GRT-318	see	Fluid control components
GRT-381	see	Fluid control components
GRT-510	see	Fluid control components
GS-100	see	Copper tubes, coils & solder fittings (Inch & Metric)
GS-100	see	Copper tubes, coils & solder fittings (Inch & Metric)
GSK-024	see	Fluid control components
GSK-048	see	Fluid control components
GSK-100	see	Fluid control components
GSLC	see	Tube working tools
GSPK-04	see	Tube working tools
GSPK-P4	see	Tube working tools
H-08 mm	see	Tube working tools
H-1	see	Tube working tools
H-1/2	see	Tube working tools
H-3/4	see	Tube working tools
H-3/8	see	Tube working tools
H-5/8	see	Tube working tools
H-7/8	see	Tube working tools
H-11/8	see	Tube working tools
H-13/8	see	Tube working tools
H-15/8	see	Tube working tools
H-10 mm	see	Tube working tools
H-100	see	Inline components and accessories
H-12 mm	see	Service manifolds, gauges and charging hoses
H-12 mm	see	Tube working tools
H-15 mm	see	Service manifolds, gauges and charging hoses
H-15 mm	see	Tube working tools
H-150	see	Fluid control components
H-16 mm	see	Tube working tools
H-18 mm	see	Service manifolds, gauges and charging hoses
H-18 mm	see	Tube working tools
H-20 mm	see	Tube working tools
H-200	see	Fluid control components
H-22 mm	see	Service manifolds, gauges and charging hoses
H-22 mm	see	Tube working tools
H-28 mm	see	Service manifolds, gauges and charging hoses
H-28 mm	see	Tube working tools
H-300	see	Fluid control components
H-35 mm	see	Tube working tools
H-42 mm	see	Tube working tools
H-75	see	Fluid control components
H-750	see	Fluid control components
HB-251	see	Tube working tools
HB-251M	see	Tube working tools
HB-451	see	Tube working tools
HB-451M	see	Tube working tools
HC-221-1	see	Electronic measurement and control instruments
HC-221-10	see	Electronic measurement and control instruments
HC-221-5	see	Electronic measurement and control instruments
HC-221-50	see	Electronic measurement and control instruments
HC-234-1	see	Electronic measurement and control instruments

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HC-2341-1	see	Electronic measurement and control instruments
HC-2341-150	see	Electronic measurement and control instruments
HC-234-150	see	Electronic measurement and control instruments
HC-2341-50	see	Electronic measurement and control instruments
HC-234-50	see	Electronic measurement and control instruments
HCT-212	see	Tube working tools
HCT-B	see	Tube working tools
HCTK-239	see	Electronic measurement and control instruments
HCT-P	see	Tube working tools
HCT-S	see	Tube working tools
HDA-120-B	see	Service manifolds, gauges and charging hoses
HDA-120-R	see	Service manifolds, gauges and charging hoses
HDA-120-Y	see	Service manifolds, gauges and charging hoses
HDA-36-B	see	Service manifolds, gauges and charging hoses
HDA-36-R	see	Service manifolds, gauges and charging hoses
HDA-36-R/410	see	Service manifolds, gauges and charging hoses
HDA-36-Y	see	Service manifolds, gauges and charging hoses
HDA-36-Y/410	see	Service manifolds, gauges and charging hoses
HDA-60-B	see	Service manifolds, gauges and charging hoses
HDA-60-R	see	Service manifolds, gauges and charging hoses
HDA-60-R/410	see	Service manifolds, gauges and charging hoses
HDA-60-Y	see	Service manifolds, gauges and charging hoses
HDA-60-Y/410	see	Service manifolds, gauges and charging hoses
HDA-72-B	see	Service manifolds, gauges and charging hoses
HDA-72-R	see	Service manifolds, gauges and charging hoses
HDA-72-Y	see	Service manifolds, gauges and charging hoses
HDCS-36-B/410/V	see	Service manifolds, gauges and charging hoses
HDCS-36-R/410/V	see	Service manifolds, gauges and charging hoses
HDS-120-B/V	see	Service manifolds, gauges and charging hoses
HDS-120-R/V	see	Service manifolds, gauges and charging hoses
HDS-120-Y/V	see	Service manifolds, gauges and charging hoses
HDS-12-B/V	see	Service manifolds, gauges and charging hoses
HDS-12-R	see	Service manifolds, gauges and charging hoses
HDS-12-R/V	see	Service manifolds, gauges and charging hoses
HDS-12-Y	see	Service manifolds, gauges and charging hoses
HDS-12-Y/V	see	Service manifolds, gauges and charging hoses
HDS-36-B/V	see	Service manifolds, gauges and charging hoses
HDS-36-R/V	see	Service manifolds, gauges and charging hoses
HDS-36-R/V	see	Service manifolds, gauges and charging hoses
HDS-36-Y/V	see	Service manifolds, gauges and charging hoses
HDS-60-B/V	see	Service manifolds, gauges and charging hoses
HDS-60-R/V	see	Service manifolds, gauges and charging hoses
HDS-60-Y/V	see	Evacuating and charging equipment
HDS-60-Y/V	see	Evacuating and charging equipment
HDS-60-Y/V	see	Service manifolds, gauges and charging hoses
HDS6-12-B/V	see	Service manifolds, gauges and charging hoses
HDS6-12-R/V	see	Service manifolds, gauges and charging hoses
HDS6-12-Y/V	see	Service manifolds, gauges and charging hoses
HDS6-36-B	see	Service manifolds, gauges and charging hoses
HDS6-36-B/V	see	Service manifolds, gauges and charging hoses
HDS6-36-R	see	Service manifolds, gauges and charging hoses
HDS6-36-R/V	see	Service manifolds, gauges and charging hoses
HDS6-36-Y	see	Service manifolds, gauges and charging hoses
HDS6-36-Y/V	see	Service manifolds, gauges and charging hoses
HDS6-60-B	see	Service manifolds, gauges and charging hoses
HDS6-60-B/V	see	Service manifolds, gauges and charging hoses
HDS6-60-R	see	Service manifolds, gauges and charging hoses
HDS6-60-R/V	see	Service manifolds, gauges and charging hoses
HDS6-60-Y	see	Service manifolds, gauges and charging hoses
HDS6-60-Y/V	see	Service manifolds, gauges and charging hoses
HDS6-72-B	see	Service manifolds, gauges and charging hoses
HDS6-72-B/V	see	Service manifolds, gauges and charging hoses
HDS6-72-R	see	Service manifolds, gauges and charging hoses
HDS6-72-R/V	see	Service manifolds, gauges and charging hoses
HDS6-72-Y	see	Service manifolds, gauges and charging hoses
HDS6-72-Y/V	see	Service manifolds, gauges and charging hoses
HDS-72-B/V	see	Service manifolds, gauges and charging hoses
HDS-72-R/V	see	Service manifolds, gauges and charging hoses
HDS-72-Y/V	see	Service manifolds, gauges and charging hoses
HER-319	see	Fluid control components
HNS4-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
HNS4-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
HNS4-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
HNS4-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
HNS4-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
HP-3700	see	Fluid control components
HP-3701	see	Fluid control components
HP-3702	see	Fluid control components
HP-3703	see	Fluid control components
HP-3704	see	Fluid control components
HP-3706	see	Fluid control components
HP-3738	see	Fluid control components
HPBV-04P	see	Fluid control components
HPBV-06MMP	see	Fluid control components
HPBV-06P	see	Fluid control components
HPBV-08P	see	Fluid control components
HPBV-10MMP	see	Fluid control components
HPBV-10P	see	Fluid control components
HPBV-12MMP	see	Fluid control components
HPBV-12P	see	Fluid control components
HPBV-14P	see	Fluid control components
HPBV-16MMP	see	Fluid control components
HPBV-18P	see	Fluid control components
HPBV-19MMP	see	Fluid control components
HPBV-22MMP	see	Fluid control components

Tel : +32 3 766 02 02
Fax: +32 3 766 10 67

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HPBV-22P	see	Fluid control components
HPBV-26P	see	Fluid control components
HPBV-28MMP	see	Fluid control components
HPBV-34P	see	Fluid control components
HPBV-35MMP	see	Fluid control components
HPBV-42MMP	see	Fluid control components
HPBV-42P	see	Fluid control components
HPBV-50P	see	Fluid control components
HPBV-54MMP	see	Fluid control components
HPN	see	Tube working tools
HT-680A	see	Electronic measurement and control instruments
HWS-8	see	Tube working tools
HWS-8mm	see	Tube working tools
HX-3639	see	Fluid control components
HX-3640	see	Fluid control components
HX-3641	see	Fluid control components
HX-3702	see	Fluid control components
HX-3703	see	Fluid control components
HX-3738	see	Fluid control components
HX-3810	see	Fluid control components
HX-3836	see	Fluid control components
HX-3839	see	Fluid control components
HX-3840	see	Fluid control components
HX-3841	see	Fluid control components
ICE-125	see	Refrigeration accessories
ICG-220	see	Refrigeration accessories
IMS-10	see	Tube working tools
IMS-11	see	Tube working tools
IMS-12	see	Tube working tools
IMS-13	see	Tube working tools
IMS-14	see	Tube working tools
IMS-15	see	Tube working tools
IMS-16	see	Tube working tools
IMS-17	see	Tube working tools
IMS-18	see	Tube working tools
IMS-19	see	Tube working tools
IMS-4D-37	see	Tube working tools
INC-100-05	see	Fluid control components
INC-100-08	see	Fluid control components
INC-200-11	see	Fluid control components
INC-300-14	see	Fluid control components
INC-300-17	see	Fluid control components
INC-300-22	see	Fluid control components
INC-400-27	see	Fluid control components
INC-500-31	see	Fluid control components
INJEC	see	Electronic measurement and control instruments
INJEC	see	Evacuating and charging equipment
INSUL TAPE	see	Copper tubes, coils & solder fittings (Inch & Metric)
INT-024	see	Fluid control components
INT-300	see	Fluid control components
INT-400	see	Fluid control components
IPD-0406	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPD-0408	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPD-0410	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPD-0608	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPD-0610	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPD-0612	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPD-0812	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPS-04	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPS-05	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPS-06	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPS-08	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPS-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPS-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
IPS-14	see	Copper tubes, coils & solder fittings (Inch & Metric)
IRT-7920	see	Electronic measurement and control instruments
ITE-3700	see	Electronic measurement and control instruments
ITE-50V	see	Service manifolds, gauges and charging hoses
ITE-54V	see	Service manifolds, gauges and charging hoses
ITE-8010	see	Electronic measurement and control instruments
ITE-8015	see	Electronic measurement and control instruments
ITE-8030	see	Electronic measurement and control instruments
ITE-8060	see	Electronic measurement and control instruments
ITE-8090	see	Electronic measurement and control instruments
ITE-8806B	see	Electronic measurement and control instruments
ITE-8900A	see	Electronic measurement and control instruments
ITE-8909	see	Electronic measurement and control instruments
ITE-H10PM	see	Electronic measurement and control instruments
ITE-XTRA	see	Electronic measurement and control instruments
ITE-XTRA-2	see	Electronic measurement and control instruments
K1-01	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
K1-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
K1-05	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
K1-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
K1-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
K1-11	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
K1-12	see	Evacuating and charging equipment
K1-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
K1-13	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
K1-D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
K1-E	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
KCK-F	see	Automatic access valves & fittings
KCK-M	see	Automatic access valves & fittings
KIT-905	see	Electronic measurement and control instruments
KIT-906	see	Electronic measurement and control instruments

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KIT-908	see	Electronic measurement and control instruments
L-11509	see	Refrigeration accessories
L-11513	see	Refrigeration accessories
L-11575	see	Service manifolds, gauges and charging hoses
L-11575	see	Refrigeration accessories
L-22101	see	Service manifolds, gauges and charging hoses
L-36473	see	Refrigeration accessories
L-41600	see	Refrigeration accessories
L-49050	see	Refrigeration accessories
LEAK-118	see	Refrigeration accessories
LEAK-40	see	Refrigeration accessories
LEAK-474	see	Refrigeration accessories
LEAK-TEFLON-40	see	Refrigeration accessories
LG-712	see	Fluid control components
LP-4	see	Evacuating and charging equipment
LRV-1018	see	Fluid control components
LRV-1039	see	Fluid control components
LRV-1092	see	Fluid control components
LT-10G	see	Automatic access valves & fittings
LT-3G	see	Automatic access valves & fittings
LT-4G	see	Automatic access valves & fittings
LT-5G	see	Automatic access valves & fittings
LT-6G	see	Automatic access valves & fittings
LT-8G	see	Automatic access valves & fittings
LTC-1	see	Service manifolds, gauges and charging hoses
M-02	see	Fluid control components
M-03	see	Fluid control components
M-05	see	Fluid control components
M-10	see	Fluid control components
M-110	see	Fluid control components
M-15	see	Fluid control components
M-20	see	Fluid control components
M2-106	see	Service manifolds, gauges and charging hoses
M2-108	see	Service manifolds, gauges and charging hoses
M2-12MHH	see	Service manifolds, gauges and charging hoses
M2-14	see	Service manifolds, gauges and charging hoses
M2-16	see	Service manifolds, gauges and charging hoses
M2-16-B	see	Service manifolds, gauges and charging hoses
M2-16-B2	see	Service manifolds, gauges and charging hoses
M2-16-HB	see	Service manifolds, gauges and charging hoses
M2-16-HH	see	Service manifolds, gauges and charging hoses
M2-16-HHB	see	Service manifolds, gauges and charging hoses
M2-16-HR	see	Service manifolds, gauges and charging hoses
M2-16-M	see	Service manifolds, gauges and charging hoses
M2-16-N	see	Service manifolds, gauges and charging hoses
M2-16-P	see	Service manifolds, gauges and charging hoses
M-30	see	Fluid control components
M-60	see	Fluid control components
M-80	see	Fluid control components
MAPP GAS	see	Tube working tools
MARC-15/U	see	Evacuating and charging equipment
MB1-ADS	see	Service manifolds, gauges and charging hoses
MB1-ADS/VAC	see	Service manifolds, gauges and charging hoses
MB2-ADS	see	Service manifolds, gauges and charging hoses
MB2-AP	see	Service manifolds, gauges and charging hoses
MB4-ADS	see	Service manifolds, gauges and charging hoses
MB5-ADS	see	Service manifolds, gauges and charging hoses
MB-EP	see	Service manifolds, gauges and charging hoses
MB-EP	see	Service manifolds, gauges and charging hoses
MB-HH	see	Service manifolds, gauges and charging hoses
MB-IP	see	Service manifolds, gauges and charging hoses
MB-IP	see	Service manifolds, gauges and charging hoses
MBP-EP	see	Service manifolds, gauges and charging hoses
MBP-IP	see	Service manifolds, gauges and charging hoses
MB-SP	see	Service manifolds, gauges and charging hoses
MB-SR	see	Service manifolds, gauges and charging hoses
MCC-2	see	Service manifolds, gauges and charging hoses
MCC-2/247	see	Service manifolds, gauges and charging hoses
MCC-4/4	see	Service manifolds, gauges and charging hoses
MCC-4/447	see	Service manifolds, gauges and charging hoses
MCC-4/I	see	Service manifolds, gauges and charging hoses
MCC-550/4	see	Service manifolds, gauges and charging hoses
MCO-06	see	Copper tubes, coils & solder fittings (Inch & Metric)
MCO-08	see	Copper tubes, coils & solder fittings (Inch & Metric)
MCO-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
MCO-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
MCO-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
MCO-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
MCO-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
MCO-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
MCSS-0.55	see	Evacuating and charging equipment
MCSS-0.55/44	see	Evacuating and charging equipment
MCSS-1	see	Evacuating and charging equipment
MCSS-1/44	see	Evacuating and charging equipment
MCSS-2	see	Evacuating and charging equipment
MCSS-2/44	see	Evacuating and charging equipment
MET-100-06	see	Fluid control components
MET-100-07	see	Fluid control components
MET-200-12	see	Fluid control components
MET-300-13	see	Fluid control components
MET-300-16	see	Fluid control components
MET-300-21	see	Fluid control components
MET-400-28	see	Fluid control components
MET-500-32	see	Fluid control components
MF-1150C-024U	see	Fluid control components

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MF-1150C-048U	see	Fluid control components
MF-1150C-230U	see	Fluid control components
MF-1360C-110U	see	Fluid control components
MF-1900C-024U	see	Fluid control components
MF-4	see	Evacuating and charging equipment
MF-4+LP-4	see	Evacuating and charging equipment
MFF-S-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MFF-S-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MFF-S-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MFF-S-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MFF-S-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MFF-S-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MFF-S-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MFF-S-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MFF-S-20	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MFF-S-24	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MFF-S-32	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
M-HDL-12-B	see	Service manifolds, gauges and charging hoses
M-HDL-12-R	see	Service manifolds, gauges and charging hoses
M-HDL-12-Y	see	Service manifolds, gauges and charging hoses
M-HDL-6	see	Evacuating and charging equipment
M-HDL-6-B	see	Service manifolds, gauges and charging hoses
M-HDL-6-R	see	Service manifolds, gauges and charging hoses
MI-CAP	see	Fluid control components
MIR-1	see	Service manifolds, gauges and charging hoses
MIR-1	see	Tube working tools
MIR-1R	see	Tube working tools
MIR-2	see	Tube working tools
MIR-2	see	Service manifolds, gauges and charging hoses
MIR-2R	see	Tube working tools
MIR-3	see	Tube working tools
MIR-3R	see	Tube working tools
MIR-4	see	Tube working tools
MIR-4R	see	Tube working tools
MIR-5	see	Tube working tools
MIR-5R	see	Tube working tools
MK-040-DS	see	Evacuating and charging equipment
MK-060-DS	see	Evacuating and charging equipment
MK-120-DS	see	Evacuating and charging equipment
MK-180-DS	see	Evacuating and charging equipment
MK-240-DS	see	Evacuating and charging equipment
MK-280-DS	see	Evacuating and charging equipment
M-MM-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
M-MM-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
M-MM-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
M-MM-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
M-MM-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
M-MM-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
M-MM-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
M-MM-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MMS-200	see	Fluid control components
MMS-80	see	Fluid control components
MP-02	see	Refrigeration accessories
MP-02C	see	Refrigeration accessories
MP-03	see	Refrigeration accessories
MP-03C	see	Refrigeration accessories
MP-04	see	Refrigeration accessories
MP-04C	see	Refrigeration accessories
MP-06	see	Refrigeration accessories
MP-06C	see	Refrigeration accessories
MP-08	see	Refrigeration accessories
MP-08C	see	Refrigeration accessories
MP-12	see	Refrigeration accessories
MP-12C	see	Refrigeration accessories
MP-18	see	Refrigeration accessories
MP-18C	see	Refrigeration accessories
MPF-M10	see	Refrigeration accessories
MPF-M12	see	Refrigeration accessories
MPF-M16	see	Refrigeration accessories
MPR-M08	see	Refrigeration accessories
MPR-M10	see	Refrigeration accessories
MPR-M12	see	Refrigeration accessories
MPR-M16	see	Refrigeration accessories
MR-14-BH	see	Service manifolds, gauges and charging hoses
MR-14-RH	see	Service manifolds, gauges and charging hoses
MR-14-VK	see	Service manifolds, gauges and charging hoses
MR-14-VS	see	Service manifolds, gauges and charging hoses
MR-MM-032	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MR-MM-042	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MR-MM-043	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MR-MM-064	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MR-MM-082	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MR-MM-084	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MR-MM-086	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MR-MM-106	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MR-MM-108	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MS-04	see	Fluid control components
MS-06	see	Fluid control components
MS-08	see	Fluid control components
MS-10	see	Fluid control components
MS-12	see	Fluid control components
MS-14	see	Fluid control components
MS-18	see	Fluid control components
MS-22	see	Fluid control components
MS-26	see	Fluid control components

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MS-34	see	Fluid control components
MSK-08	see	Tube working tools
MSSK-26	see	Tube working tools
MT-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MT-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MT-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MT-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MT-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MT-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MT-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MT-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MT-20	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MT-24	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MTS-04	see	Fluid control components
MTS-06	see	Fluid control components
MTU-06	see	Copper tubes, coils & solder fittings (Inch & Metric)
MTU-08	see	Copper tubes, coils & solder fittings (Inch & Metric)
MTU-10	see	Copper tubes, coils & solder fittings (Inch & Metric)
MTU-12	see	Copper tubes, coils & solder fittings (Inch & Metric)
MTU-15	see	Copper tubes, coils & solder fittings (Inch & Metric)
MTU-16	see	Copper tubes, coils & solder fittings (Inch & Metric)
MTU-18	see	Copper tubes, coils & solder fittings (Inch & Metric)
MTU-22	see	Copper tubes, coils & solder fittings (Inch & Metric)
MTU-28	see	Copper tubes, coils & solder fittings (Inch & Metric)
MTU-35	see	Copper tubes, coils & solder fittings (Inch & Metric)
MULTI-R-COMBI/V2	see	Evacuating and charging equipment
MV-0077	see	Automatic access valves & fittings
MV-0099	see	Automatic access valves & fittings
MV-0101	see	Automatic access valves & fittings
MV-0111	see	Automatic access valves & fittings
MV-1010	see	Automatic access valves & fittings
MV-1050	see	Automatic access valves & fittings
MV-1060	see	Automatic access valves & fittings
MV-1090	see	Automatic access valves & fittings
MV-1200	see	Automatic access valves & fittings
MV-1212	see	Automatic access valves & fittings
MV-1414	see	Automatic access valves & fittings
MV-1414C	see	Automatic access valves & fittings
MV-1428	see	Automatic access valves & fittings
MV-1438	see	Automatic access valves & fittings
MV-1440	see	Automatic access valves & fittings
MV-1441	see	Automatic access valves & fittings
MV-1444	see	Automatic access valves & fittings
MV-1446	see	Automatic access valves & fittings
MV-1454	see	Automatic access valves & fittings
MV-1777	see	Automatic access valves & fittings
MV-1808	see	Automatic access valves & fittings
MV-1818	see	Automatic access valves & fittings
MV-1818C	see	Automatic access valves & fittings
MV-2000	see	Automatic access valves & fittings
MV-2010	see	Automatic access valves & fittings
MV-2010 (QC-E4)	see	Automatic access valves & fittings
MV-2012	see	Automatic access valves & fittings
MV-2014	see	Automatic access valves & fittings
MV-2018	see	Automatic access valves & fittings
MV-2019	see	Automatic access valves & fittings
MV-2020	see	Automatic access valves & fittings
MV-2022	see	Automatic access valves & fittings
MV-2022	see	Automatic access valves & fittings
MV-2024	see	Automatic access valves & fittings
MV-2028	see	Automatic access valves & fittings
MV-2035	see	Automatic access valves & fittings
MV-2037	see	Automatic access valves & fittings
MV-2038	see	Automatic access valves & fittings
MV-2041	see	Automatic access valves & fittings
MV-2050	see	Automatic access valves & fittings
MV-2060	see	Automatic access valves & fittings
MV-2070	see	Automatic access valves & fittings
MV-2070	see	Automatic access valves & fittings
MV-2090	see	Automatic access valves & fittings
MV-2094	see	Automatic access valves & fittings
MV-2098	see	Automatic access valves & fittings
MV-2120	see	Automatic access valves & fittings
MV-2140	see	Automatic access valves & fittings
MV-2160	see	Automatic access valves & fittings
MV-2210	see	Automatic access valves & fittings
MV-2215	see	Automatic access valves & fittings
MV-2216	see	Automatic access valves & fittings
MV-2219	see	Automatic access valves & fittings
MV-2220	see	Automatic access valves & fittings
MV-2225	see	Automatic access valves & fittings
MV-2235	see	Automatic access valves & fittings
MV-2243	see	Automatic access valves & fittings
MV-2245	see	Automatic access valves & fittings
MV-2245	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
MV-2250	see	Automatic access valves & fittings
MV-2380	see	Automatic access valves & fittings
MV-2500	see	Automatic access valves & fittings
MV-2525	see	Automatic access valves & fittings
MV-2540	see	Automatic access valves & fittings
MV-2541	see	Automatic access valves & fittings
MV-2542	see	Automatic access valves & fittings
MV-2580	see	Automatic access valves & fittings
MV-2594	see	Automatic access valves & fittings
MV-2595	see	Automatic access valves & fittings

Part. nr.	Pdf file	
MV-2597	see	Automatic access valves & fittings
MV-2597	see	Automatic access valves & fittings
MV-2613	see	Automatic access valves & fittings
MV-2812	see	Automatic access valves & fittings
MV-2814	see	Automatic access valves & fittings
MV-2816	see	Automatic access valves & fittings
MV-2834	see	Automatic access valves & fittings
MV-2838	see	Automatic access valves & fittings
MV-2878	see	Automatic access valves & fittings
MV-3018	see	Automatic access valves & fittings
MV-3034	see	Automatic access valves & fittings
MV-3036	see	Automatic access valves & fittings
MV-3078	see	Automatic access valves & fittings
MV-3090	see	Automatic access valves & fittings
MV-3090	see	Automatic access valves & fittings
MV-3092	see	Automatic access valves & fittings
MV-3094	see	Automatic access valves & fittings
MV-3095	see	Automatic access valves & fittings
MV-3098	see	Automatic access valves & fittings
MV-3346	see	Automatic access valves & fittings
MV-3368	see	Automatic access valves & fittings
MV-3434	see	Automatic access valves & fittings
MV-3436	see	Automatic access valves & fittings
MV-3570	see	Automatic access valves & fittings
MV-3600	see	Automatic access valves & fittings
MV-3600	see	Automatic access valves & fittings
MV-3602	see	Automatic access valves & fittings
MV-3603	see	Automatic access valves & fittings
MV-3604	see	Automatic access valves & fittings
MV-3605	see	Automatic access valves & fittings
MV-3606	see	Automatic access valves & fittings
MV-3608	see	Automatic access valves & fittings
MV-3619	see	Automatic access valves & fittings
MV-3688	see	Automatic access valves & fittings
MV-3700	see	Automatic access valves & fittings
MV-3710	see	Automatic access valves & fittings
MV-3800	see	Automatic access valves & fittings
MV-3813	see	Tube working tools
MV-3813	see	Automatic access valves & fittings
MV-3813	see	Automatic access valves & fittings
MV-3813	see	Automatic access valves & fittings
MV-3814	see	Tube working tools
MV-3814	see	Automatic access valves & fittings
MV-3814	see	Automatic access valves & fittings
MV-3816	see	Tube working tools
MV-3816	see	Automatic access valves & fittings
MV-3816	see	Automatic access valves & fittings
MV-3820	see	Automatic access valves & fittings
MV-3825	see	Automatic access valves & fittings
MV-3827	see	Automatic access valves & fittings
MV-3900	see	Automatic access valves & fittings
MV-3910	see	Automatic access valves & fittings
MV-3915	see	Automatic access valves & fittings
MV-3916	see	Automatic access valves & fittings
MV-3917	see	Automatic access valves & fittings
MV-3920	see	Automatic access valves & fittings
MV-3930	see	Automatic access valves & fittings
MV-3936	see	Automatic access valves & fittings
MV-4338 (A-1)	see	Automatic access valves & fittings
MV-4358 (A-2)	see	Automatic access valves & fittings
MV-4445	see	Automatic access valves & fittings
MV-4545	see	Automatic access valves & fittings
MV-4900	see	Automatic access valves & fittings
MV-4910	see	Automatic access valves & fittings
MV-5013	see	Automatic access valves & fittings
MV-5014	see	Automatic access valves & fittings
MV-5014	see	Automatic access valves & fittings
MV-5016	see	Automatic access valves & fittings
MV-5036	see	Automatic access valves & fittings
MV-5036	see	Automatic access valves & fittings
MV-5038	see	Automatic access valves & fittings
MV-5044	see	Automatic access valves & fittings
MV-5050	see	Automatic access valves & fittings
MV-5055	see	Automatic access valves & fittings
MV-5161	see	Automatic access valves & fittings
MV-5171	see	Automatic access valves & fittings
MV-5421	see	Automatic access valves & fittings
MV-5501	see	Automatic access valves & fittings
MV-5512	see	Automatic access valves & fittings
MV-5514	see	Automatic access valves & fittings
MV-5516	see	Automatic access valves & fittings
MV-5518	see	Automatic access valves & fittings
MV-5534	see	Automatic access valves & fittings
MV-5538	see	Automatic access valves & fittings
MV-5555	see	Automatic access valves & fittings
MV-5555	see	Automatic access valves & fittings
MV-5558	see	Automatic access valves & fittings
MV-5560	see	Automatic access valves & fittings
MV-5560	see	Automatic access valves & fittings
MV-5577	see	Automatic access valves & fittings
MV-5577	see	Automatic access valves & fittings
MV-5578	see	Automatic access valves & fittings
MV-7100	see	Automatic access valves & fittings
MV-7102	see	Automatic access valves & fittings
MV-7110	see	Automatic access valves & fittings

Part. nr.	Pdf file	
MV-7114	see	Automatic access valves & fittings
MV-7414	see	Automatic access valves & fittings
MV-7418	see	Automatic access valves & fittings
MV-8400	see	Automatic access valves & fittings
MV-8400	see	Automatic access valves & fittings
MV-8403	see	Automatic access valves & fittings
MV-8404	see	Automatic access valves & fittings
MV-8405	see	Automatic access valves & fittings
MV-8406	see	Automatic access valves & fittings
MV-8408	see	Automatic access valves & fittings
MV-8412	see	Automatic access valves & fittings
MV-8414	see	Automatic access valves & fittings
MV-8416	see	Automatic access valves & fittings
MV-8418	see	Automatic access valves & fittings
MV-8420	see	Automatic access valves & fittings
MV-8434	see	Automatic access valves & fittings
MV-8438	see	Automatic access valves & fittings
MV-8458	see	Automatic access valves & fittings
MV-8478	see	Automatic access valves & fittings
MV-8490	see	Automatic access valves & fittings
MV-8505-050	see	Automatic access valves & fittings
MV-8725	see	Automatic access valves & fittings
MV-9160	see	Automatic access valves & fittings
MV-9601	see	Automatic access valves & fittings
MV-9602	see	Automatic access valves & fittings
MV-9603	see	Automatic access valves & fittings
MV-9608	see	Automatic access valves & fittings
MV-9610	see	Automatic access valves & fittings
MV-9611	see	Automatic access valves & fittings
MV-9612	see	Automatic access valves & fittings
MV-9613	see	Automatic access valves & fittings
MV-9614	see	Automatic access valves & fittings
MV-9615	see	Automatic access valves & fittings
MV-9616	see	Automatic access valves & fittings
MV-9620	see	Automatic access valves & fittings
MV-9628	see	Automatic access valves & fittings
MV-AVX-6-050	see	Automatic access valves & fittings
MV-AVX-6-100	see	Automatic access valves & fittings
MV-AVX-6-150	see	Automatic access valves & fittings
MV-AVX-6810	see	Automatic access valves & fittings
N1-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N1-05	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N1-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N1-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N1-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N1-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N4-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N4-05	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N4-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N4-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N4-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N4-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N5-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N5-05	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N5-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N5-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N5-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
N5-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NBC-120	see	Service manifolds, gauges and charging hoses
NBC-72	see	Service manifolds, gauges and charging hoses
NFT5-6	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NHA-120	see	Service manifolds, gauges and charging hoses
NHA-48	see	Service manifolds, gauges and charging hoses
NHA-72	see	Service manifolds, gauges and charging hoses
NHA-78306	see	Service manifolds, gauges and charging hoses
NHA-78406	see	Service manifolds, gauges and charging hoses
NHA-78410	see	Service manifolds, gauges and charging hoses
NHA-78506	see	Service manifolds, gauges and charging hoses
NHA-78510	see	Service manifolds, gauges and charging hoses
NRS4-0043	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-0054	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-0064	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-0065	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-0086	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-0108	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-1/2x10mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-1210	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-3/4x16mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-3/8x6mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-3/8x8mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-5/8x12mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-5/8x15mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NRS4-7/8x20mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NS4-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NS4-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NS4-05	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NS4-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NS4-06mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NS4-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NS4-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NS4-10mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NS4-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NS4-12mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NS4-16mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
NS4-18mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"

Tel : +32 3 766 02 02
Fax: +32 3 766 10 67

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Part. nr.	Pdf file	
NS4-22mm	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
O" RING	see	Automatic access valves & fittings
OAV-06FS	see	Fluid control components
OFD-553	see	Fluid control components
OLC-12	see	Fluid control components
OLC-B12	see	Fluid control components
OPCV-1400	see	Fluid control components
ORS-08	see	Tube working tools
ORS-10	see	Tube working tools
ORS-11	see	Tube working tools
ORS-12	see	Tube working tools
ORS-13	see	Tube working tools
ORS-14	see	Tube working tools
ORS-15	see	Tube working tools
ORS-16	see	Tube working tools
ORS-17	see	Tube working tools
ORS-18	see	Tube working tools
ORS-19	see	Tube working tools
ORS-20	see	Tube working tools
ORS-21	see	Tube working tools
ORS-22	see	Tube working tools
ORS-23	see	Tube working tools
ORS-24	see	Tube working tools
ORS-26	see	Tube working tools
ORV-08	see	Fluid control components
ORV-12	see	Fluid control components
ORV-15	see	Fluid control components
ORVS-1008	see	Fluid control components
OS-81	see	Fluid control components
OS-82	see	Fluid control components
OS-85	see	Fluid control components
OS-87	see	Fluid control components
OS-88	see	Fluid control components
OS-90	see	Fluid control components
OSC-85	see	Fluid control components
OSC-87	see	Fluid control components
OSC-88	see	Fluid control components
OSC-90	see	Fluid control components
OSC-92	see	Fluid control components
OST-2270	see	Fluid control components
OST-700	see	Fluid control components
P-11	see	Tube working tools
P-12	see	Tube working tools
P-17	see	Tube working tools
P-18	see	Tube working tools
P2-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
P2-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
P2-05	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
P2-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
P2-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
P2-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
P2-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
P-8	see	Tube working tools
P-9	see	Tube working tools
PAINT	see	Copper tubes, coils & solder fittings (Inch & Metric)
PAS-090	see	Fluid control components
PAS-22B	see	Fluid control components
PAS-23B	see	Fluid control components
PAS-32B	see	Fluid control components
PAS-33B	see	Fluid control components
PAS-44B	see	Fluid control components
PAS-45B	see	Fluid control components
PAS-761-US	see	Fluid control components
PAS-768-US	see	Fluid control components
PAS-771B-US	see	Fluid control components
PAS-771R-US	see	Fluid control components
PAS-771-US	see	Fluid control components
PAS-773-US	see	Fluid control components
PC-42	see	Service manifolds, gauges and charging hoses
PC-42	see	Tube working tools
PC-42/BLADE	see	Tube working tools
PC-63	see	Tube working tools
PC-63/BLADE	see	Tube working tools
PCG-2642	see	Tube working tools
PCG-35	see	Tube working tools
PCG-B35	see	Tube working tools
PFB-06	see	Tube working tools
PFB-08	see	Tube working tools
PFB-10	see	Tube working tools
PFB-12	see	Tube working tools
PFB-14	see	Tube working tools
PFB-16	see	Tube working tools
PFB-18	see	Tube working tools
PH-11	see	Tube working tools
PH-12	see	Tube working tools
PH-17	see	Tube working tools
PH-18	see	Tube working tools
PH-22	see	Tube working tools
PIPETTE/1	see	Refrigeration accessories
PIPETTE/2	see	Refrigeration accessories
PM-120C	see	Electronic measurement and control instruments
PM-80-B	see	Service manifolds, gauges and charging hoses
PM-80-R	see	Service manifolds, gauges and charging hoses
PMK-08-ALL	see	Evacuating and charging equipment
PMK-09-ALL	see	Evacuating and charging equipment

Part. nr.	Pdf file	
PMK-10-ALL	see	Evacuating and charging equipment
PMK-11-ALL	see	Evacuating and charging equipment
PMK-29-ALL	see	Evacuating and charging equipment
PMK-30-ALL	see	Evacuating and charging equipment
PO-230	see	Refrigeration accessories
PPL-10	see	Tube working tools
PRH-4D-24	see	Tube working tools
PROBE-01/V2	see	Electronic measurement and control instruments
PROBE-03/V2	see	Electronic measurement and control instruments
PROBE-06/V2	see	Electronic measurement and control instruments
PRT-8020	see	Electronic measurement and control instruments
PSA-200B	see	Electronic measurement and control instruments
PSA-200R	see	Electronic measurement and control instruments
PSBD-606	see	Refrigeration accessories
PSBD-606M	see	Refrigeration accessories
PSBS-02	see	Refrigeration accessories
PSBS-03	see	Refrigeration accessories
PSBS-04	see	Refrigeration accessories
PSBS-05	see	Refrigeration accessories
PSBS-10	see	Refrigeration accessories
PS-HP200-150	see	Refrigeration accessories
PS-HP250-150	see	Refrigeration accessories
PS-HP300-200	see	Refrigeration accessories
PS-HP350-250	see	Refrigeration accessories
PS-HP400-200	see	Refrigeration accessories
PS-HP450-250	see	Refrigeration accessories
PS-LP05-20	see	Refrigeration accessories
PS-LP25-80	see	Refrigeration accessories
PS-LP40-80	see	Refrigeration accessories
PS-MC-HP-440	see	Refrigeration accessories
PS-MF-HP-410	see	Refrigeration accessories
PSO-2B	see	Fluid control components
PSO-2ES	see	Fluid control components
PSO-3B	see	Fluid control components
PSO-3ES	see	Fluid control components
PSO-4B	see	Fluid control components
PSO-4ES	see	Fluid control components
PSO-5B	see	Fluid control components
PSO-5ES	see	Fluid control components
PSO-7S	see	Fluid control components
PSO-9S	see	Fluid control components
PSS-100B	see	Electronic measurement and control instruments
PSS-100R	see	Electronic measurement and control instruments
PSS-200B	see	Electronic measurement and control instruments
PSS-200R	see	Electronic measurement and control instruments
PT-100	see	Electronic measurement and control instruments
PT-109	see	Tube working tools
PT-14285	see	Tube working tools
PTCB-340	see	Tube working tools
PTCB-350	see	Tube working tools
PTCB-360	see	Tube working tools
PTCB-370	see	Tube working tools
PTCB-380	see	Tube working tools
PTCB-390	see	Tube working tools
PTR-1	see	Service manifolds, gauges and charging hoses
PTR-1	see	Tube working tools
PTR-1B	see	Tube working tools
PTR-2	see	Tube working tools
PV3P-10102	see	Tube working tools
PVB-10102	see	Tube working tools
PVC-200/2 mm	see	Refrigeration accessories
PVC-300/3 mm	see	Refrigeration accessories
PVC-CLIP-200	see	Refrigeration accessories
PVC-CLIP-300	see	Refrigeration accessories
PVC-RAIL	see	Refrigeration accessories
PW-5014	see	Tube working tools
PW-5036	see	Tube working tools
QAA-04	see	Service manifolds, gauges and charging hoses
QAA-04	see	Automatic access valves & fittings
QAA-05	see	Automatic access valves & fittings
QAA-06	see	Automatic access valves & fittings
QAG-04	see	Automatic access valves & fittings
QAG-05	see	Automatic access valves & fittings
QAG-06	see	Automatic access valves & fittings
QAI-04	see	Automatic access valves & fittings
QAI-05	see	Automatic access valves & fittings
QAI-06	see	Automatic access valves & fittings
QC-13445-134a	see	Automatic access valves & fittings
QC-2342	see	Automatic access valves & fittings
QC-48-3/4	see	Fluid control components
QCA-5/16x1/4	see	Service manifolds, gauges and charging hoses
QCA-5/16x1/4	see	Automatic access valves & fittings
QCCA	see	Tube working tools
QC-E3	see	Evacuating and charging equipment
QC-E64	see	Automatic access valves & fittings
QCF-04	see	Automatic access valves & fittings
QCF-06	see	Automatic access valves & fittings
QCM-04	see	Automatic access valves & fittings
QCM-06	see	Automatic access valves & fittings
QC-S2	see	Automatic access valves & fittings
QC-S4	see	Automatic access valves & fittings
QC-S46	see	Automatic access valves & fittings
QC-S4A	see	Automatic access valves & fittings
QC-S4A-134a	see	Automatic access valves & fittings
QC-S4B	see	Automatic access valves & fittings

Part. nr.	Pdf file	
QCS-5/16x1/4	see	Service manifolds, gauges and charging hoses
QCS-5/16x1/4	see	Automatic access valves & fittings
QC-S64	see	Automatic access valves & fittings
QVA-03	see	Automatic access valves & fittings
QVA-03	see	Evacuating and charging equipment
QVA-03	see	Service manifolds, gauges and charging hoses
QVA-05	see	Evacuating and charging equipment
QVA-05	see	Service manifolds, gauges and charging hoses
QVA-05	see	Automatic access valves & fittings
QVA-103	see	Automatic access valves & fittings
QVA-105	see	Automatic access valves & fittings
QVA-SET	see	Automatic access valves & fittings
QVA-SET1	see	Automatic access valves & fittings
QWIKCHECK	see	Refrigeration accessories
R-600A-BP	see	Service manifolds, gauges and charging hoses
R-600A-HP	see	Service manifolds, gauges and charging hoses
RA-500	see	Electronic measurement and control instruments
RA-500P	see	Electronic measurement and control instruments
RACK-06	see	Tube working tools
RACK-08	see	Tube working tools
RB-1	see	Tube working tools
RB-4240	see	Service manifolds, gauges and charging hoses
RB-4240	see	Copper tubes, coils & solder fittings (Inch & Metric)
RCH-10	see	Evacuating and charging equipment
RCH-10	see	Evacuating and charging equipment
RCH-10	see	Evacuating and charging equipment
RCH-10	see	Refrigeration accessories
RCO-420	see	Refrigeration accessories
RCYL-12L	see	Evacuating and charging equipment
RCYL-30L	see	Evacuating and charging equipment
RCYL-50L	see	Evacuating and charging equipment
RED-FF-S-0021	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0032	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0042	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0043	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0062	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0063	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0064	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0082	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0083	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0084	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0086	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0102	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0103	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0104	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0106	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0108	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0122	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0123	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0124	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0126	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0128	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0162	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0163	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0164	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0166	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0168	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-0208	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-1210	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-1612	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-2012	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-2016	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-2412	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-2416	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-FF-S-2420	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-0032	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-0042	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-0043	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-0062	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-0064	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-0084	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-0086	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-0106	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-0108	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-0128	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-1210	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0032	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0042	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0043	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0062	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0063	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0064	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0082	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0083	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0084	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0086	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0104	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0106	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0108	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0122	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0123	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0124	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0126	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0128	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-0164	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"

Part. nr.	Pdf file	
RED-MF-S-0168	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-1210	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-1610	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-1612	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RED-MF-S-2016	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
RFM-20	see	Refrigeration accessories
RFM-60	see	Refrigeration accessories
RHP-082-S	see	Fluid control components
RHP-083	see	Fluid control components
RHP-083-S	see	Fluid control components
RHP-084-S	see	Fluid control components
RHP-163	see	Fluid control components
RHP-163-S	see	Fluid control components
RHP-164	see	Fluid control components
RHP-164-S	see	Fluid control components
RHP-165	see	Fluid control components
RHP-165-S	see	Fluid control components
RIO-208	see	Service manifolds, gauges and charging hoses
RIO-208	see	Service manifolds, gauges and charging hoses
RIO-208	see	Service manifolds, gauges and charging hoses
RIO-208	see	Tube working tools
RK-800B	see	Service manifolds, gauges and charging hoses
RK-800R	see	Service manifolds, gauges and charging hoses
RO-41	see	Refrigeration accessories
RO-42	see	Refrigeration accessories
RO-62	see	Refrigeration accessories
RO-82	see	Refrigeration accessories
ROT-100-S02-C	see	Fluid control components
ROT-100-S03-C	see	Fluid control components
ROT-100-S05-C	see	Fluid control components
ROT-100-S06-C	see	Fluid control components
ROT-200-1x3/8	see	Fluid control components
ROT-200-S07-C	see	Fluid control components
ROT-200-S08-C	see	Fluid control components
ROT-200-S11-C	see	Fluid control components
ROT-200-S12-C	see	Fluid control components
ROT-200-S14-C	see	Fluid control components
ROT-202-1x1/2	see	Fluid control components
ROT-202-1x3/8	see	Fluid control components
ROT-222-11/4x3/4	see	Fluid control components
ROT-222-11/4x5/8	see	Fluid control components
ROT-222-1x5/8	see	Fluid control components
ROT-300-S16-C	see	Fluid control components
ROT-300-S17-C	see	Fluid control components
ROT-300-S21-C	see	Fluid control components
ROT-300-S22-C	see	Fluid control components
ROT-302-11/4x11/8	see	Fluid control components
ROT-302-11/4x7/8	see	Fluid control components
ROT-302-13/4x7/8	see	Fluid control components
ROT-352-13/4x11/8	see	Fluid control components
ROT-352-13/4x13/8	see	Fluid control components
ROT-400-S28-C	see	Fluid control components
ROT-500-S31-C	see	Fluid control components
ROT-500-S32-C	see	Fluid control components
RS-09	see	Refrigeration accessories
RS-128C	see	Electronic measurement and control instruments
RS-128R	see	Electronic measurement and control instruments
RS-15	see	Refrigeration accessories
RS-20	see	Refrigeration accessories
RS-31	see	Refrigeration accessories
RSC-20	see	Refrigeration accessories
RSD-175	see	Tube working tools
RSS-62	see	Tube working tools
RT-700K	see	Refrigeration accessories
RT-750A	see	Refrigeration accessories
RT-751M	see	Refrigeration accessories
RT-752C	see	Refrigeration accessories
RTC-127	see	Tube working tools
RTC-127-A	see	Tube working tools
RTC-127-B	see	Tube working tools
RTC-274	see	Tube working tools
RTC-274-A	see	Tube working tools
RTC-274-B	see	Tube working tools
RV-220	see	Evacuating and charging equipment
RW-0608/1012	see	Tube working tools
RW-0910/1112	see	Tube working tools
RW-1012/1314	see	Tube working tools
RW-124	see	Tube working tools
RW-127	see	Service manifolds, gauges and charging hoses
RW-127	see	Service manifolds, gauges and charging hoses
RW-127	see	Tube working tools
RW-1314/1719	see	Tube working tools
SA-11/8	see	Fluid control components
SA-13/8	see	Fluid control components
SA-15/8	see	Fluid control components
SA-21/8	see	Fluid control components
SA-507	see	Fluid control components
SACV2-04	see	Automatic access valves & fittings
SACV3-04	see	Automatic access valves & fittings
SACV3-06	see	Automatic access valves & fittings
SACV3-08	see	Automatic access valves & fittings
SACV3-10	see	Automatic access valves & fittings
SACV3-12	see	Automatic access valves & fittings
SB-002	see	Refrigeration accessories
SB-003	see	Refrigeration accessories

Part. nr.	Pdf file	
SB-007	see	Refrigeration accessories
SB-049	see	Refrigeration accessories
SB-101	see	Refrigeration accessories
SB-103	see	Refrigeration accessories
SB-110	see	Refrigeration accessories
SB-113	see	Refrigeration accessories
SBLT-024	see	Fluid control components
SBLT-048	see	Fluid control components
SBLT-100	see	Fluid control components
SBS-1483	see	Refrigeration accessories
SBS-1907	see	Refrigeration accessories
SBS-2754	see	Refrigeration accessories
SBS-3178	see	Refrigeration accessories
SBS-3672	see	Refrigeration accessories
SCK-6D08M	see	Tube working tools
SCK-6D10M	see	Tube working tools
SCK-6D12M	see	Tube working tools
SF-28-154	see	Refrigeration accessories
SF-28-172	see	Refrigeration accessories
SF-28-200	see	Refrigeration accessories
SF-28-230	see	Refrigeration accessories
SF-28-254	see	Refrigeration accessories
SF-28-300	see	Refrigeration accessories
SG-110	see	Fluid control components
SG-110R	see	Fluid control components
SG-111	see	Fluid control components
SG-111R	see	Fluid control components
SG-114	see	Fluid control components
SG-114R	see	Fluid control components
SG-115	see	Fluid control components
SG-115R	see	Fluid control components
SG-118	see	Fluid control components
SG-118R	see	Fluid control components
SG-119	see	Fluid control components
SG-119R	see	Fluid control components
SG-204	see	Fluid control components
SG-204R	see	Fluid control components
SG-205	see	Fluid control components
SG-205R	see	Fluid control components
SG-206	see	Fluid control components
SG-206R	see	Fluid control components
SG-207	see	Fluid control components
SG-207R	see	Fluid control components
SG-208	see	Fluid control components
SG-208R	see	Fluid control components
SG-209	see	Fluid control components
SG-209R	see	Fluid control components
SH-1075	see	Electronic measurement and control instruments
SH-1075	see	Electronic measurement and control instruments
SH-2010	see	Electronic measurement and control instruments
SH-2010	see	Electronic measurement and control instruments
SH-4011	see	Electronic measurement and control instruments
SH-4011	see	Electronic measurement and control instruments
SH-4040	see	Electronic measurement and control instruments
SH-4040	see	Electronic measurement and control instruments
SH-5005	see	Electronic measurement and control instruments
SH-5005	see	Electronic measurement and control instruments
SH-66-AC	see	Electronic measurement and control instruments
SH-88A	see	Electronic measurement and control instruments
SH-9010	see	Electronic measurement and control instruments
SH-9010	see	Electronic measurement and control instruments
SH-9015	see	Electronic measurement and control instruments
SH-9015	see	Electronic measurement and control instruments
SK-1I	see	Service manifolds, gauges and charging hoses
SK-2I	see	Service manifolds, gauges and charging hoses
SK-2IA	see	Service manifolds, gauges and charging hoses
SK-2IE	see	Service manifolds, gauges and charging hoses
SK-6/Inch	see	Service manifolds, gauges and charging hoses
SK-6I	see	Service manifolds, gauges and charging hoses
SLM-8050	see	Electronic measurement and control instruments
SOLDER-118	see	Refrigeration accessories
SP-120	see	Electronic measurement and control instruments
SPUN-619	see	Fluid control components
SPUN-621	see	Fluid control components
SRH-77A	see	Electronic measurement and control instruments
SRP-08	see	Tube working tools
SSL-083	see	Fluid control components
SSL-084	see	Fluid control components
SSL-084-S	see	Fluid control components
SSL-165	see	Fluid control components
SSL-165-S	see	Fluid control components
SSL-166-S	see	Fluid control components
SSL-307-S	see	Fluid control components
SSL-419-S	see	Fluid control components
SSL-4811-S	see	Fluid control components
SSL-4813-S	see	Fluid control components
STB-7000	see	Service manifolds, gauges and charging hoses
STB-7000	see	Tube working tools
STT-796	see	Refrigeration accessories
STT-800	see	Refrigeration accessories
STT-891	see	Refrigeration accessories
SUNISO-3,5GS-04	see	Refrigeration accessories
SUNISO-3GS-04	see	Refrigeration accessories
SUNISO-3GS-20	see	Refrigeration accessories
SUNISO-4GS-04	see	Refrigeration accessories

Part. nr.	Pdf file	
SUNISO-4GS-20	see	Refrigeration accessories
SUNISO-5G-04	see	Refrigeration accessories
SUNISO-SL32-04	see	Refrigeration accessories
SUPER-3790	see	Refrigeration accessories
SUPER-947	see	Refrigeration accessories
SV2W-38/110	see	Evacuating and charging equipment
SV2W-38/220	see	Evacuating and charging equipment
SV2W-38/627-VRP-110	see	Evacuating and charging equipment
SV2W-38/627-VRP-220	see	Evacuating and charging equipment
SWM-4D-41	see	Tube working tools
T1-04A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T1-04B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T1-04C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T1-06B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T1-06C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T1-08C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T1-08D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T1-10C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T1-10D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T2-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T2-05	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T2-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T2-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T2-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T2-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3-04A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3-04B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3-06B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3-08D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3-10D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3-12E	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-S-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-S-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-S-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-S-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-S-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-S-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-S-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-S-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-S-20	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T3F-S-24	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
T6-4	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
TAHL-5	see	Electronic measurement and control instruments
TB-03	see	Tube working tools
TB-06	see	Tube working tools
TB-06	see	Service manifolds, gauges and charging hoses
TB-16	see	Tube working tools
TB-16	see	Service manifolds, gauges and charging hoses
TB-364-04	see	Tube working tools
TB-364-05/8mm	see	Tube working tools
TB-364-05/8mm	see	Tube working tools
TB-364-06	see	Tube working tools
TB-364-06mm	see	Tube working tools
TB-364-08	see	Tube working tools
TB-364-10	see	Tube working tools
TB-364-10mm	see	Tube working tools
TB-364-12	see	Tube working tools
TB-364-12/H	see	Tube working tools
TB-364-12mm	see	Tube working tools
TB-364-15mm	see	Tube working tools
TB-364-16mm	see	Tube working tools
TC-0316	see	Tube working tools
TC-0316-H	see	Tube working tools
TC-0328	see	Tube working tools
TC-0328-H	see	Tube working tools
TC-0432-ZR	see	Tube working tools
TC-0432-ZRH	see	Tube working tools
TC-0638-R	see	Tube working tools
TC-0638-RH	see	Tube working tools
TC-1000	see	Tube working tools
TC-1000-SP	see	Tube working tools
TC-10168-Z	see	Tube working tools
TC-10168-ZC	see	Tube working tools
TC-1020	see	Tube working tools
TC-1050	see	Tube working tools
TC-1050-SP	see	Tube working tools
TC-127	see	Service manifolds, gauges and charging hoses
TC-127	see	Tube working tools
TC-2050	see	Tube working tools
TC-206	see	Tube working tools
TC-274	see	Service manifolds, gauges and charging hoses
TC-274	see	Service manifolds, gauges and charging hoses
TC-274	see	Tube working tools
TC-274	see	Service manifolds, gauges and charging hoses
TC-307	see	Service manifolds, gauges and charging hoses
TC-307	see	Tube working tools
TC-312	see	Tube working tools

Tel : +32 3 766 02 02
Fax: +32 3 766 10 67

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Part. nr.	Pdf file	
TC-5140-Z	see	Tube working tools
TC-5140-ZC	see	Tube working tools
TC-B307	see	Tube working tools
TC-R06C	see	Tube working tools
TC-R06H	see	Tube working tools
TC-S03	see	Tube working tools
TCS-0332	see	Tube working tools
TC-S04	see	Tube working tools
TC-S05	see	Tube working tools
TCS-38114	see	Tube working tools
TC-W03C	see	Tube working tools
TC-W03H	see	Tube working tools
TC-W06A	see	Tube working tools
TC-W06H	see	Tube working tools
TC-W51A	see	Tube working tools
TC-W51A	see	Tube working tools
TC-W51C	see	Tube working tools
TC-W51C	see	Tube working tools
TE-6-01	see	Service manifolds, gauges and charging hoses
TE-6-01	see	Tube working tools
TE-6-02	see	Tube working tools
TEC-7	see	Tube working tools
TEC-7/TR	see	Tube working tools
TEC-8/TR	see	Tube working tools
TEM-6	see	Tube working tools
TG-01	see	Tube working tools
TH-820	see	Electronic measurement and control instruments
TH-850	see	Electronic measurement and control instruments
THB-368	see	Tube working tools
THM-50	see	Electronic measurement and control instruments
THM-5025-H	see	Electronic measurement and control instruments
THM-50-S	see	Electronic measurement and control instruments
TL-13	see	Tube working tools
TL-17	see	Tube working tools
TM-99A	see	Electronic measurement and control instruments
TP-402B	see	Electronic measurement and control instruments
TP-402R	see	Electronic measurement and control instruments
TPI13-006	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-008	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-010	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-012	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-015	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-018	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-022	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-028	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-035	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-042	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-048	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-054	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-060	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-064	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-070	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-076	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-089	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-102	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-108	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-114	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-125	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-140	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI13-160	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-015	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-018	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-022	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-028	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-035	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-042	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-048	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-054	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-060	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-064	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-070	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-076	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-089	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-102	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-108	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-114	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-125	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-140	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI20-160	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-018	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-022	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-028	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-035	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-042	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-048	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-054	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-060	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-064	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-070	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-076	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-089	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-114	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI32-140	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-006	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-008	see	Copper tubes, coils & solder fittings (Inch & Metric)

Part. nr.	Pdf file	
TPI9-010	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-012	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-015	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-018	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-022	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-028	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-030	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-035	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-042	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-048	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-054	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-060	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-064	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-070	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-076	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-080	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-089	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-102	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-108	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-114	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-125	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-133	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-140	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPI9-160	see	Copper tubes, coils & solder fittings (Inch & Metric)
TPM-1/V2	see	Electronic measurement and control instruments
TPM-2/V2	see	Electronic measurement and control instruments
TPM-58	see	Electronic measurement and control instruments
TPM-62	see	Electronic measurement and control instruments
TR2-00446	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
TR2-00664	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
TR2-00668	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
TR2-00886	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
TRACE2-118	see	Refrigeration accessories
TRACE2-3790	see	Refrigeration accessories
TRACE2-474	see	Refrigeration accessories
TRAX-300	see	Refrigeration accessories
TRAX-40	see	Refrigeration accessories
TSPM-1/V2	see	Electronic measurement and control instruments
TSPM-2/V2	see	Electronic measurement and control instruments
TSPM-3	see	Electronic measurement and control instruments
TS-RC	see	Tube working tools
TS-SC	see	Tube working tools
TSWM-10	see	Electronic measurement and control instruments
TSWM-2/V2	see	Electronic measurement and control instruments
TSWM-30	see	Electronic measurement and control instruments
TSWM-35	see	Electronic measurement and control instruments
TSWM-35/EXT	see	Electronic measurement and control instruments
TT1-001	see	Refrigeration accessories
TT2-001	see	Refrigeration accessories
TU-04I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-06I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-08I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-10I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-12I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-14I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-16I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-18I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-22I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-26I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-34I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-42I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-50I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-58I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-66I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TU-66I	see	Copper tubes, coils & solder fittings (Inch & Metric)
TWM-1/V2	see	Electronic measurement and control instruments
TX-9	see	Tube working tools
TX-9	see	Service manifolds, gauges and charging hoses
U1-03A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-04A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-04B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-04C	see	Evacuating and charging equipment
U1-04C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-04D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-04M14	see	Evacuating and charging equipment
U1-04M14	see	Service manifolds, gauges and charging hoses
U1-05A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-05B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-05C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-06A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-06B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-06C	see	Evacuating and charging equipment
U1-06C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-06D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-06E	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-06M14	see	Evacuating and charging equipment
U1-06M14	see	Service manifolds, gauges and charging hoses
U1-08A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-08B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-08C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-08D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-08E	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U-1100-S03	see	Fluid control components
U-1100-S05	see	Fluid control components
U-1100-S06	see	Fluid control components

Part. nr.	Pdf file	
U1-10B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-10C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-10D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-10E	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-12D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U1-12E	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U-1200-S07	see	Fluid control components
U-1200-S08	see	Fluid control components
U-1200-S12	see	Fluid control components
U-1300-S13	see	Fluid control components
U-1300-S14	see	Fluid control components
U-1300-S16	see	Fluid control components
U-1300-S17	see	Fluid control components
U-1300-S21	see	Fluid control components
U-1300-S22	see	Fluid control components
U-1400-S28	see	Fluid control components
U-1400-S31	see	Fluid control components
U-1400-S32	see	Fluid control components
U-1500-S05	see	Fluid control components
U-1500-S06	see	Fluid control components
U-1600-S08	see	Fluid control components
U-1600-S11	see	Fluid control components
U-1700-S13	see	Fluid control components
U-1700-S14	see	Fluid control components
U-1700-S16	see	Fluid control components
U-1700-S17	see	Fluid control components
U-1700-S21	see	Fluid control components
U-1700-S22	see	Fluid control components
U-1800-S28	see	Fluid control components
U-1800-S31	see	Fluid control components
U-1800-S32	see	Fluid control components
U-200-S07	see	Fluid control components
U-200-S08	see	Fluid control components
U2-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U2-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U2-05	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U2-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U2-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U2-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U2-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U-2300-06	see	Fluid control components
U-2300-08	see	Fluid control components
U-2300-10	see	Fluid control components
U-2300-14	see	Fluid control components
U-300-S08	see	Fluid control components
U-300-S11	see	Fluid control components
U-300-S13	see	Fluid control components
U-300-S14	see	Fluid control components
U3-04A	see	Service manifolds, gauges and charging hoses
U3-04A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-04B	see	Service manifolds, gauges and charging hoses
U3-04B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-04C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-05A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-05B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-06A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-06B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-06C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-06D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-08B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-08C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-08D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-10C	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-10D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U3-10E	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U-400-S16	see	Fluid control components
U-400-S17	see	Fluid control components
U4-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U4-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U4-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U4-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U4-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U-500-S22	see	Fluid control components
U-500-S27	see	Fluid control components
U5-04A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U5-04B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U5-06B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U5-08D	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U6-4A	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
U6-4B	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-S-02	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-S-03	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-S-04	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-S-06	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-S-08	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-S-10	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-S-12	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-S-16	see	Forged brass & steel fittings "NPT" & "NPT 45° SAE"

Part. nr.	Pdf file
UFF-S-20	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UFF-S-24	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UMF-02	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UMF-03	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UMF-04	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UMF-06	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UMF-08	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UMF-10	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UMF-12	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UMF-16	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR2-0043	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR2-0054	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR2-0064	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR2-0065	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR2-0084	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR2-0086	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR2-0104	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR2-0106	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR2-0108	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR2-0128	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR2-1210	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR3-0046	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR3-0048	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR3-0064	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR3-0065	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR3-0068	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR3-0084	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR3-0086	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR3-0106	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR3-0108	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR3-0810	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR3-1012	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UR3-1210	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US-032	see Fluid control components
US-032-S	see Fluid control components
US-052	see Fluid control components
US-053	see Fluid control components
US-053-S	see Fluid control components
US-082	see Fluid control components
US-082-S	see Fluid control components
US-083	see Fluid control components
US-083-S	see Fluid control components
US-084	see Fluid control components
US-1/2-SS	see Fluid control components
US-1/4-MF	see Fluid control components
US-1/4-MM	see Fluid control components
US-11/8-SS-RC	see Fluid control components
US-14412-SW	see Fluid control components
US-14413	see Fluid control components
US-14417	see Fluid control components
US-162	see Fluid control components
US-163	see Fluid control components
US-163	see Evacuating and charging equipment
US-163-S	see Fluid control components
US-164	see Fluid control components
US-164-S	see Fluid control components
US-165	see Fluid control components
US-165-S	see Fluid control components
US-19216-SW	see Fluid control components
US-3/8-SS	see Fluid control components
US-30013	see Fluid control components
US-30021	see Fluid control components
US3-0044	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-0045	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-0046	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-0064	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-0065	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-0066	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-0068	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-0086	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-0088	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-0108	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US-303	see Fluid control components
US-304	see Fluid control components
US-304-S	see Fluid control components
US-305	see Fluid control components
US-305-S	see Fluid control components
US3-0610	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US-307-S	see Fluid control components
US3-0810	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-1010	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-1012	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-1014	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-1212	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US3-1214	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US-40016-SW	see Fluid control components
US-40017	see Fluid control components
US-40021	see Fluid control components
US-40025	see Fluid control components
US4-04	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US4-06	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US4-08	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US4-10	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US-414	see Fluid control components
US-414-S	see Fluid control components

Part. nr.	Pdf file
US-415	see Fluid control components
US-415-S	see Fluid control components
US-417-S	see Fluid control components
US-419-S	see Fluid control components
US-485	see Fluid control components
US-487	see Fluid control components
US-488-SW	see Fluid control components
US-489	see Fluid control components
US-5/8-SS	see Fluid control components
US5-0044	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US5-0066	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US5-0088	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US5-1010	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
US-810-CC	see Fluid control components
US-810-CF	see Fluid control components
US-810-CM	see Fluid control components
US-810-F	see Fluid control components
US-824-CC	see Fluid control components
US-824-CM	see Fluid control components
US-824-F	see Fluid control components
US-83711	see Fluid control components
US-83713	see Fluid control components
US-848-C	see Fluid control components
US-848-CC	see Fluid control components
US-848-CF	see Fluid control components
US-848-CM	see Fluid control components
US-848-F	see Fluid control components
US-85713	see Fluid control components
US-85721	see Fluid control components
US-86725	see Fluid control components
US-9610-SW	see Fluid control components
US-9613	see Fluid control components
USD-11/8-SS	see Fluid control components
USD-13/8-SS	see Fluid control components
USD-15/8-SS	see Fluid control components
USD-21/8-SS	see Fluid control components
USD-25/8-SS	see Fluid control components
USTK-04	see Tube working tools
USTK-04	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
USTK-06	see Tube working tools
USTK-06	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
USTK-08	see Tube working tools
USTK-08	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
USTK-10	see Tube working tools
USTK-10	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
USTK-12	see Tube working tools
USTK-12	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
USTKR-46	see Tube working tools
USTKR-46	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UVL-240	see Electronic measurement and control instruments
UVL-240	see Refrigeration accessories
UVL-50W	see Electronic measurement and control instruments
UVL-AC	see Electronic measurement and control instruments
UVL-BCQ	see Electronic measurement and control instruments
UVL-BCS	see Electronic measurement and control instruments
UVL-GLASS	see Electronic measurement and control instruments
UVL-PBP	see Electronic measurement and control instruments
UX1-4A	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
UX1-4B	see Forged brass & steel fittings "NPT" & "NPT 45° SAE"
V-35040	see Fluid control components
V-35042	see Fluid control components
VA-39	see Automatic access valves & fittings
VAS-01	see Fluid control components
VAS-03	see Fluid control components
VAS-04	see Fluid control components
VAS-05	see Fluid control components
VAS-06	see Fluid control components
VAS-08	see Fluid control components
VAS-09	see Fluid control components
VAS-10	see Fluid control components
VAS-10mm	see Fluid control components
VAS-11	see Fluid control components
VAS-12mm	see Fluid control components
VAS-16mm	see Fluid control components
VAS-18mm	see Fluid control components
VAS-22mm	see Fluid control components
VAS-28mm	see Fluid control components
VAS-35mm	see Fluid control components
VAS-42mm	see Fluid control components
VAS-54mm	see Fluid control components
VAS-70mm	see Fluid control components
VAS-82	see Fluid control components
VAS-83	see Fluid control components
VAS-84	see Fluid control components
VAS-86	see Fluid control components
VASC-01	see Fluid control components
VASC-02	see Fluid control components
VASC-03	see Fluid control components
VASC-04	see Fluid control components
VASC-05	see Fluid control components
VASC-06	see Fluid control components
VASC-07	see Fluid control components
VASC-08	see Fluid control components
VASC-09	see Fluid control components
VASC-10	see Fluid control components

Part. nr.	Pdf file
VASC-10 mm	see Fluid control components
VASC-11	see Fluid control components
VASC-12 mm	see Fluid control components
VASC-16 mm	see Fluid control components
VASC-18 mm	see Fluid control components
VASC-22 mm	see Fluid control components
VASC-28 mm	see Fluid control components
VASC-35 mm	see Fluid control components
VASC-42 mm	see Fluid control components
VASC-54 mm	see Fluid control components
VASC-82	see Fluid control components
VASC-83	see Fluid control components
VASC-84	see Fluid control components
VASC-85	see Fluid control components
VASC-86	see Fluid control components
VG-10	see Tube working tools
VG-12	see Tube working tools
VG-12ING	see Tube working tools
VG-14	see Tube working tools
VG-14G	see Tube working tools
VG-14I	see Tube working tools
VG-15	see Tube working tools
VG-16	see Tube working tools
VG-17	see Tube working tools
VG-18	see Tube working tools
VG-19	see Tube working tools
VN—05-13/1056/V2	see Refrigeration accessories
VN—10-20/1103/V2	see Refrigeration accessories
VNT—18-30/46/V2	see Refrigeration accessories
VNT—25-40/25/V2	see Refrigeration accessories
VNT—34-45/25/V2	see Refrigeration accessories
VOC-10	see Tube working tools
VOC-10	see Fluid control components
VOC-15	see Tube working tools
VOC-15	see Fluid control components
VOC-18	see Tube working tools
VOC-18	see Fluid control components
VPC-40	see Evacuating and charging equipment
VPF-40	see Evacuating and charging equipment
VT-400	see Evacuating and charging equipment
W3-V-80	see Service manifolds, gauges and charging hoses
WA-1000	see Tube working tools
WB-1	see Tube working tools
WBO-100	see Refrigeration accessories
WBO-100N	see Refrigeration accessories
WBO-120	see Refrigeration accessories
WBO-120N	see Refrigeration accessories
WBO-150R	see Refrigeration accessories
WBO-250	see Refrigeration accessories
WBO-K10	see Refrigeration accessories
WBO-K10N	see Refrigeration accessories
WBO-K12	see Refrigeration accessories
WBO-K12N	see Refrigeration accessories
WBO-K15	see Refrigeration accessories
WBO-K15R	see Refrigeration accessories
WBO-K25	see Refrigeration accessories
WCP-010/230V	see Refrigeration accessories
WCP-020/230V	see Refrigeration accessories
WDT-128-BODY	see Electronic measurement and control instruments
WDT-128C	see Electronic measurement and control instruments
WDT-128R	see Electronic measurement and control instruments
WKL-5	see Tube working tools
WM-80-B	see Service manifolds, gauges and charging hoses
WM-80-R	see Service manifolds, gauges and charging hoses
WPP-9	see Tube working tools
WS-005	see Electronic measurement and control instruments
WS-005-1L-1/4	see Electronic measurement and control instruments
WS-005-1L-5/16	see Electronic measurement and control instruments
WS-005-1L-7/16	see Electronic measurement and control instruments
WS-055	see Electronic measurement and control instruments
WS-150	see Electronic measurement and control instruments
WS-30	see Evacuating and charging equipment
WS-AC	see Electronic measurement and control instruments
WS-AC-EU	see Electronic measurement and control instruments
WS-AC-UK	see Electronic measurement and control instruments
WS-AC-USA	see Electronic measurement and control instruments
WS-ASV	see Electronic measurement and control instruments
WT-389	see Electronic measurement and control instruments
WT-389/P	see Electronic measurement and control instruments
XLD-6050	see Electronic measurement and control instruments
XPC-06M	see Tube working tools
XPC-07I	see Tube working tools
XPC-T	see Tube working tools
ZERICE	see Refrigeration accessories
ZEROL-150-5L	see Refrigeration accessories