

ALPHA

**FITTINGS &
ACCESSORIES**



GENERAL CATALOG

With over a 30 years experience Alpha Technologies and our partner Aignep spa have become worldwide leaders in the production and marketing of fittings and accessories for industrial applications in addition to a wide variety of specialty products employed in agriculture, irrigation, medical, pest control, plumbing and countless other industry segments. To maintain our role as industry leaders and to achieve optimal productivity, we invest in a highly skilled workforce and incorporate the most advanced equipment available in our manufacturing, production and processing procedures. This investment in personnel and equipment results in unparalleled customer service and the highest quality products offered at a very competitive price. Customer service, quality product, competitive price..... That's ALPHA





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SWIFT-FIT
UNIVERSAL THREAD SYSTEM

SWIFT-FIT

UNIVERSAL THREAD SYSTEM

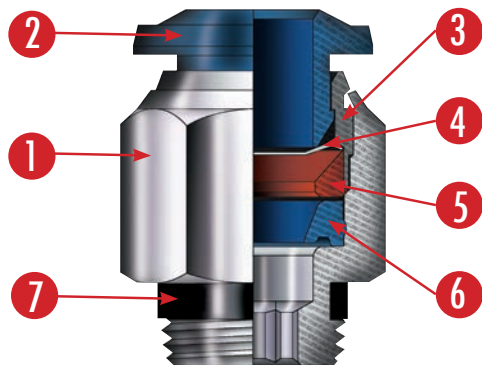


ONE FITTING....ENDLESS POSSIBILITIES

NPTF • BSPP • BSPT • ISO 7 • ISO 228 • G Thread • J Thread

COMPONENT SPECIFICATIONS

Pressure Rating:	Vacuum-250 PSI
Temperature Rating:	0-160° F
Tubing Compatibility:	Nylon* Polyethylene* Polyurethane* Copper
	<small>*98 Shore A for best results</small>
Media:	Compressed Air Water



1. Body	Nickel Plated Brass
2. Thrust Ring	Nickel Plated Brass or Composite
3. Sleeve	Nickel Plated Brass
4. Gripper Collet	Stainless steel
5. Safety Ring	Technopolymer
6. Lip Seal	NBR 70
7. Thread Seal	NBR 70

SWIFT-FIT
Composite

Composite Push-To-Connect Fittings Inch Tube Universal Thread System

SWIFT-FIT
Metallic

Push-To-Connect Fittings Inch Tube Nickel Plated Release x Universal Thread System

SWIFT-FIT
Inch Tube

Push-To-Connect Fittings with Inch Tube Composite Release x Universal Thread System

SWIFT-FIT
Control Valves

Inch Tube Flow Controls & Needle Valves With Composite Release x Universal Thread System

TUBE SIZES:

Inch
1/8
5/32 (4mm)
1/4
5/16 (8mm)
3/8
1/2

THREAD SIZES:

10-32
1/8
1/4
3/8
1/2

TORQUE SPECIFICATIONS

Threads	1/8	1/4	3/8	1/2	
Min torque	(Nm)	5	5	5	5
	(Ft lbs)	3.7	3.7	3.7	3.7
Max torque	(Nm)	7	7	7	7
	(Ft lbs)	5.2	5.2	5.2	5.2

SAVE TIME.. SAVE MONEY.. USE SWIFT-FIT

- **No Stripped Fittings**
- **Quick Installation**
- **No Stripped Ports**
- **No Pitch Identification**
- **Completely Reusable**
- **Reduce Inventory**

SWIFT-FIT
Metallic

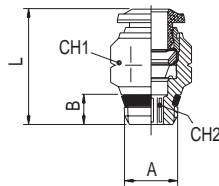


SAVE TIME.. SAVE MONEY.. USE SWIFT-FIT

- No Stripped Fittings
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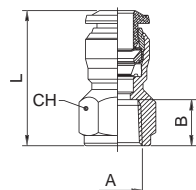
STRAIGHT MALE

SWIFT-FIT
Metallic



Part No.	Tube	A SWIFT	B	L	CH1	CH2
89000-02-32	1/8	10-32	.197 (5)	.748 (19)	.315 (8)	.079 (2)
89000-02-02	1/8	1/8	.217 (5.5)	.650 (16.5)	.433 (11)	.079 (2)
89000-02-04	1/8	1/4	.276 (7)	.728 (18.5)	.551 (14)	.079 (2)
89000-53-32	5/32	10/32	.197 (5)	.827 (21)	.394 (10)	.079 (2)
89000-53-02	5/32	1/8	.217 (5.5)	.708 (17.5)	.433 (11)	.118 (3)
89000-53-04	5/32	1/4	.276 (7)	.748 (19)	.551 (14)	.118 (3)
89000-04-32	1/4	10/32	.197 (5)	.966 (24.5)	.512 (13)	.079 (2)
89000-04-02	1/4	1/8	.217 (5.5)	.846 (21.5)	.512 (13)	.157 (4)
89000-04-04	1/4	1/4	.276 (7)	.807 (20.5)	.551 (14)	.157 (4)
89000-04-06	1/4	3/8	.295 (7.5)	.905 (23)	.669 (17)	.157 (4)
89000-05-02	5/16	1/8	.217 (5.5)	.945 (24)	.551 (14)	.197 (5)
89000-05-04	5/16	1/4	.276 (7)	.846 (21.5)	.551 (14)	.236 (6)
89000-05-06	5/16	3/8	.295 (7.5)	.885 (22.5)	.669 (17)	.236 (6)
89000-06-02	3/8	1/8	.217 (5.5)	1.082 (27.5)	.669 (17)	.197 (5)
89000-06-04	3/8	1/4	.276 (7)	1.082 (27.5)	.669 (17)	.276 (7)
89000-06-06	3/8	3/8	.295 (7.5)	1.023 (25.5)	.669 (17)	.276 (7)
89000-06-08	3/8	1/2	.354 (9)	1.023 (25.5)	.827 (21)	.276 (7)
89000-08-04	1/2	1/4	.276 (7)	1.222 (31)	.787 (20)	.276 (7)
89000-08-06	1/2	3/8	.295 (7.5)	1.222 (31)	.787 (20)	.354 (9)
89000-08-08	1/2	1/2	.354 (9)	1.222 (31)	.827 (21)	.394 (10)

STRAIGHT FEMALE



Part No.	Tube	A NPTF	B	L	CH
89030-02-02	1/8	1/8	.374 (9.5)	.925 (24)	.512 (13)
89030-02-04	1/8	1/4	.531 (13.5)	1.142 (29)	.630 (16)
89030-53-02	5/32	1/8	.374 (9.5)	.965 (24.5)	.512 (13)
89030-53-04	5/32	1/4	.531 (13.5)	1.181 (29.5)	.630 (16)
89030-04-02	1/4	1/8	.374 (9.5)	1.063 (26)	.512 (13)
89030-04-04	1/4	1/4	.531 (13.5)	1.222 (31)	.630 (16)
89030-06-04	3/8	1/4	.531 (13.5)	1.358 (34.5)	.709 (18)
89030-06-06	3/8	3/8	.531 (13.5)	1.358 (34.5)	.787 (20)

UNION



	Part No.	Tube	Tube	B	L
	89040-02	1/8			.334 (8.5)
89040-53	5/32			.413 (10.5)	1.200 (30.5)
89040-04-53	1/4	5/32		.492 (12.5)	1.299 (33)
89040-04	1/4			.492 (12.5)	1.299 (33)
89040-04-06	1/4	3/8		.688 (17.5)	1.614 (41)
89040-06	3/8			.688 (17.5)	1.614 (41)
89040-06-08	3/8	1/2		.807 (20.5)	1.850 (47)
89040-08	1/2			.807 (20.5)	1.850 (47)

BULKHEAD UNION



	Part No.	Tube	M	L	CH	Amax
	89050-02	1/8		M10X1	1.023 (26)	.551 (14)
89050-53	5/32		M12X1	1.240 (31.5)	.669 (17)	.276 (7)
89050-04	1/4		M14X1	1.378 (35)	.669 (17)	.374 (9.5)
89050-05	5/16		M16X1	1.457 (37)	.748 (19)	.413 (10.5)
89050-06	3/8		M20X1	1.693 (42)	.945 (24)	.492 (12.5)
89050-08	1/2		M22X1	1.890 (48)	1.024 (26)	.650 (16.5)

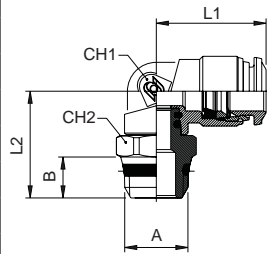
SWIVEL ELBOW FEMALE



	Part No.	Tube	A NPTF	B	L1	L2	CH1	CH2
	89105-53-02	5/32	1/8		.374 (9.5)	.688 (17.5)	.688 (17.5)	.354 (9)
89105-53-04	5/32	1/4		.531 (13.5)	.688 (17.5)	.787 (20)	.354 (9)	.629 (16)
89105-04-02	1/4	1/8		.374 (9.5)	.846 (21.5)	.748 (19)	.433 (11)	.511 (13)
89105-04-04	1/4	1/4		.531 (13.5)	.846 (21.5)	.846 (21.5)	.433 (11)	.629 (16)
89105-06-02	3/8	1/8		.374 (9.5)	1.062 (27)	.905 (23)	.511 (13)	.511 (13)
89105-06-04	3/8	1/4		.531 (13.5)	1.062 (27)	.944 (24)	.629 (16)	.629 (16)

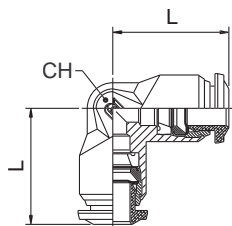
SWIVEL ELBOW MALE

SWIFT-FIT
Metallic



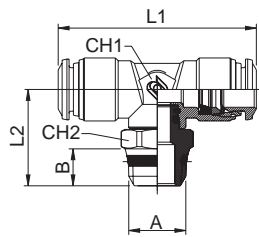
Part No.	Tube	A SWIFT	B	L1	L2	CH1	CH2
89110-02-32	1/8	10/32	.197 (5)	.708 (18)	.787 (20)	.354 (9)	.315 (8)
89110-02-02	1/8	1/8	.276 (7)	.708 (18)	.354 (9)	.354 (9)	.511 (13)
89110-02-04	1/8	1/4	.334 (8.5)	.708 (18)	.771 (19.6)	.354 (9)	.591 (15)
89110-53-32	5/32	10/32	.197 (5)	.708 (18)	.787 (20)	.354 (9)	.315 (8)
89110-53-02	5/32	1/8	.276 (7)	.826 (21)	.709 (18)	.354 (9)	.511 (13)
89110-53-04	5/32	1/4	.334 (8.5)	.826 (21)	.768 (19.5)	.354 (9)	.591 (15)
89110-04-32	1/4	10/32	.197 (5)	.826 (21)	.866 (22)	.433 (11)	.315 (8)
89110-04-02	1/4	1/8	.276 (7)	.885 (22.5)	.776 (19.7)	.433 (11)	.511 (13)
89110-04-04	1/4	1/4	.334 (8.5)	.885 (22.5)	.776 (19.7)	.433 (11)	.591 (15)
89110-04-06	1/4	3/8	.354 (9)	.885 (22.5)	.776 (19.7)	.433 (11)	.669 (17)
89110-05-02	5/16	1/8	.276 (7)	1.043 (26.5)	.882 (22.4)	.472 (12)	.511 (13)
89110-05-02	5/16	1/4	.334 (8.5)	1.043 (26.5)	.882 (22.4)	.472 (12)	.591 (15)
89110-05-06	5/16	3/8	.354 (9)	1.043 (26.5)	.882 (22.4)	.472 (12)	.669 (17)
89110-06-02	3/8	1/8	.276 (7)	1.043 (26.5)	1.024 (26)	.551 (14)	.551 (14)
89110-06-04	3/8	1/4	.334 (8.5)	1.051 (26.7)	1.024 (26)	.551 (14)	.591 (15)
89110-06-06	3/8	3/8	.354 (9)	.972 (24.7)	1.024 (26)	.551 (14)	.669 (17.5)
89110-06-08	3/8	1/2	.413 (8.5)	1.070 (26.7)	1.024 (26)	.551 (14)	.827 (15)
89110-08-04	1/2	1/4	.334 (8.5)	1.201 (30.5)	1.130 (28.7)	.630 (16)	.591 (15)
89110-08-06	1/2	3/8	.354 (9)	1.201 (30.5)	1.051 (26.7)	.630 (16)	.669 (17)
89110-08-08	1/2	1/2	.413 (10.5)	1.201 (30.5)	1.150 (29.2)	.630 (16)	.827 (32)

UNION ELBOW



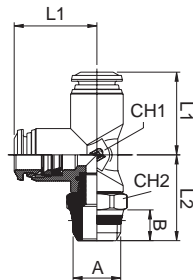
Part No.	Tube	L	CH
89130-02	1/8	.649 (16.5)	.354 (9)
89130-53	5/32	.669 (17)	.354 (9)
89130-04	1/4	.826 (21)	.433 (11)
89130-05	5/16	.886 (22.5)	.512 (13)
89130-06	3/8	1.024 (26)	.630 (16)
89130-08	1/2	1.200 (30.5)	.748 (19)

SWIVEL BRANCH TEE



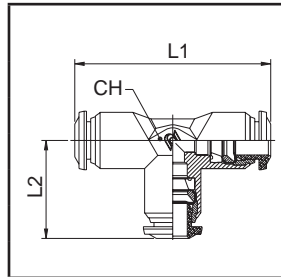
Part No.	Tube	A SWIFT	B	L1	L2	CH1	CH2
89210-02-32	1/8	10/32	.157 (4)	1.339 (34)	.669 (17)	.354 (9)	.315 (8)
89210-02-02	1/8	1/8	.216 (5.5)	1.338 (34)	.708 (18)	.354 (9)	.511 (13)
89210-02-04	1/8	1/4	.275 (7)	1.338 (34)	.787 (20)	.354 (9)	.591 (15)
89210-53-32	5/32	10/32	.157 (4)	1.339 (34)	.709 (18)	.354 (9)	.315 (8)
89210-53-02	5/32	1/8	.216 (5.5)	1.338 (34)	.885 (22.5)	.354 (9)	.511 (13)
89210-53-04	5/32	1/4	.275 (7)	1.338 (34)	1.062 (27)	.354 (9)	.629 (16)
89210-04-32	1/4	10/32	.157 (4)	1.437 (36.5)	.768 (19.5)	.433 (11)	.433 (11)
89210-04-02	1/4	1/8	.216 (5.5)	1.574 (40)	.787 (20)	.433 (11)	.511 (13)
89210-04-04	1/4	1/4	.275 (7)	1.574 (40)	.846 (21.5)	.433 (11)	.629 (16)
89210-04-06	1/4	3/8	.295 (7.5)	1.574 (40)	.866 (22)	.433 (11)	.669 (17)
89210-06-02	3/8	1/8	.216 (5.5)	2.047 (52)	1.043 (26.5)	.551 (14)	.551 (14)
89210-06-04	3/8	1/4	.275 (7)	2.047 (52)	1.141 (29)	.551 (14)	.630 (16)
89210-06-06	3/8	3/8	.295 (7.5)	2.047 (52)	1.062 (27)	.551 (14)	.669 (17)
89210-06-08	3/8	1/2	.354 (9)	2.047 (52)	1.220 (31)	.551 (14)	.827 (21)
89210-08-04	1/2	1/4	.275 (7)	2.402 (61)	1.240 (31.5)	.630 (16)	.591 (15)
89210-08-06	1/2	3/8	.295 (7.5)	2.402 (61)	1.161 (29.5)	.630 (16)	.669 (17)
89210-08-08	1/2	1/2	.354 (9)	2.402 (61)	1.259 (32)	.630 (16)	.827 (21)

SWIVEL RUN TEE



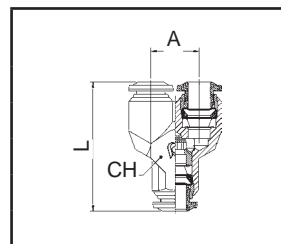
Part No.	Tube	A SWIFT	B	L1	L2	CH1	CH2
89222-02-32	1/8	10/32	.157 (4)	.649 (16.5)	.669 (17)	.354 (9)	.315 (8)
89222-02-02	1/8	1/8	.216 (5.5)	.649 (16.5)	.728 (18.5)	.354 (9)	.511 (13)
89222-02-04	1/8	1/4	.334 (7)	.649 (16.5)	.807 (20.5)	.354 (9)	.591 (15)
89222-53-32	5/32	10/32	.157 (4)	.669 (17)	.709 (18)	.354 (9)	.315 (8)
89222-53-02	5/32	1/8	.216 (5.5)	.649 (16.5)	.728 (18.5)	.354 (9)	.511 (13)
89222-53-04	5/32	1/4	.275 (7)	.649 (16.5)	.807 (20.5)	.354 (9)	.591 (15)
89222-04-32	1/4	10/32	.157 (4)	.827 (21)	.768 (19.5)	.433 (11)	.433 (11)
89222-04-02	1/4	1/8	.216 (5.5)	.846 (21.5)	.787 (20)	.433 (11)	.511 (13)
89222-04-04	1/4	1/4	.275 (7)	.846 (21.5)	.846 (21.5)	.433 (11)	.591 (15)
89222-04-06	1/4	3/8	.295 (7.5)	.846 (21.5)	.866 (22)	.433 (11)	.669 (17)
89222-06-02	3/8	1/8	.276 (7)	1.062 (27)	1.023 (26)	.551 (14)	.551 (14)
89222-06-04	3/8	1/4	.275 (7)	1.062 (27)	1.043 (26.5)	.551 (14)	.630 (16)
89222-06-06	3/8	3/8	.295 (7.5)	1.062 (27)	1.062 (27)	.551 (14)	.669 (17)
89222-06-08	3/8	1/2	.354 (9)	1.062 (27)	1.141 (29)	.551 (14)	.827 (21)
89222-08-04	1/2	1/4	.275 (7)	1.240 (31.5)	1.240 (31.5)	.630 (16)	.591 (15)
89222-08-06	1/2	3/8	.295 (7.5)	1.240 (31.5)	1.240 (31.5)	.630 (16)	.591 (15)
89222-08-08	1/2	1/2	.354 (9)	1.240 (31.5)	1.279 (32.5)	.630 (16)	.827 (21)

UNION TEE



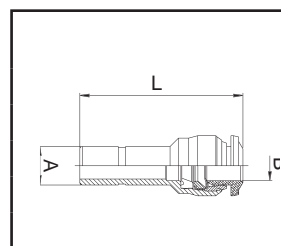
Part No.	Tube	L1	L2	CH
89230-02	1/8	1.299 (33)	.669 (17)	.354 (9)
89230-53	5/32	1.339 (34)	.669 (17)	.354 (9)
89230-04	1/4	1.654 (42)	.827 (21)	.433 (11)
89230-05	5/16	1.772 (45)	.866 (22.5)	.512 (13)
89230-06	3/8	2.087 (53)	1.043 (26.5)	.630 (16)
89230-08	1/2	2.402 (61)	1.201 (30.5)	.748 (19)

UNION Y



Part No.	Tube	A	L	CH
89310-02	1/8	.394 (10)	1.142 (29)	.433 (11)
89310-53	5/32	.433 (11)	1.260 (32)	.433 (11)
89310-04	1/4	.531 (13.5)	1.437 (36.5)	.511 (13)
89310-05	5/16	.610 (15.5)	1.514 (41)	.511 (13)
89310-06	3/8	.728 (18.5)	1.890 (48)	.708 (18)

TUBE REDUCER



Part No.	A	B	L
89700-04-02	1/4	1/8	1.181 (30)
89700-04-53	1/4	5/32	1.181 (30)
89700-06-04	3/8	1/4	1.397 (35.5)
89700-08-04	1/2	1/4	1.693 (43)
89700-08-06	1/2	3/8	1.693 (43)



**STAINLESS STEEL
PUSH TO CONNECT FITTINGS
PIPE FITTINGS**

STRAIGHT MALE



			Part No.	Tube	A SWIFT	B	L	CH1	CH2
				88020-02-32	1/8	10/32	.157 (4)	.787 (18)	.315 (8)
			87000-02-02	1/8	1/8	.217 (5.5)	.650 (16.5)	.433 (11)	.079 (2)
			87000-02-04	1/8	1/4	.276 (7)	.728 (18.5)	.551 (14)	.079 (2)
			88020-53-32	5/32	10/32	.157 (4)	.827 (21)	.394 (10)	.079 (2)
			87000-53-02	5/32	1/8	.217 (5.5)	.708 (18)	.433 (11)	.118 (3)
			87000-53-04	5/32	1/4	.276 (7)	.767 (19.5)	.551 (14)	.118 (3)
			88020-04-32	1/4	10/32	.157 (4)	.925 (23.5)	.512 (13)	.079 (2)
			87000-04-02	1/4	1/8	.217 (5.5)	.866 (22)	.512 (13)	.157 (4)
			87000-04-04	1/4	1/4	.276 (7)	.826 (21)	.551 (14)	.157 (4)
			87000-04-06	1/4	3/8	.295 (7.5)	.826 (21)	.669 (17)	.157 (4)
			87000-05-02	5/16	1/8	.217 (5.5)	.964 (24.5)	.551 (14)	.197 (5)
			87000-05-04	5/16	1/4	.276 (7)	.866 (22)	.551 (14)	.236 (6)
			87000-05-06	5/16	3/8	.295 (7.5)	.905 (23)	.669 (17)	.236 (6)
			87000-06-02	3/8	1/8	.217 (5.5)	1.122 (28.5)	.669 (17)	.197 (5)
			87000-06-04	3/8	1/4	.276 (7)	1.122 (28.5)	.669 (17)	.276 (7)
			87000-06-06	3/8	3/8	.295 (7.5)	1.043 (26.5)	.669 (17)	.276 (7)
			87000-06-08	3/8	1/2	.354 (9)	1.043 (26.5)	.827 (21)	.276 (7)
			87000-08-02	1/2	1/8	.217 (5.5)	1.299 (33)	.787 (20)	.197 (5)
			87000-08-04	1/2	1/4	.276 (7)	1.299 (33)	.787 (20)	.197 (5)
			87000-08-06	1/2	3/8	.295 (7.5)	1.259 (32)	.787 (20)	.354 (9)
			87000-08-08	1/2	1/2	.354 (9)	1.259 (32)	.827 (21)	.394 (10)

STRAIGHT MALE INTERNAL HEX



			Part No.	Tube	A SWIFT	B	L	CH
				87010-02-32	1/8	10/32	.157 (4)	.709 (18)
			87010-53-32	5/32	10/32	.157 (4)	.787 (20)	.098 (2.5)
			87010-53-02	5/32	1/8	.217 (5.5)	.709 (18)	.118 (3)
			87010-04-32	1/4	10/32	.157 (4)	.925 (23.5)	.098 (2.5)
			87010-04-02	1/4	1/8	.217 (5.5)	.846 (21.5)	.157 (4)
			87010-04-04	1/4	1/4	.267 (7)	.846 (21.5)	.157 (4)

STRAIGHT FEMALE

NPTF THREAD



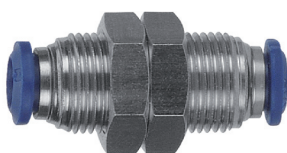
	Part No.	Tube	A NPTF	B	L	CH
	88030-02-02	1/8	1/8	.374 (9.5)	.945 (24)	.512 (13)
	88030-02-04	1/8	1/4	.531 (13.5)	1.142 (29)	.630 (16)
	88030-53-02	5/32	1/8	.374 (9.5)	.984 (25)	.512 (13)
	88030-53-04	5/32	1/4	.531 (13.5)	1.181 (30)	.630 (16)
	88030-04-02	1/4	1/8	.374 (9.5)	1.082 (27.5)	.512 (13)
	88030-04-04	1/4	1/4	.512 (13)	1.279 (32.5)	.630 (16)
	88030-06-04	3/8	1/4	.531 (13.5)	1.397 (35.5)	.709 (18)
	88030-06-06	3/8	3/8	.531 (13.5)	1.397 (35.5)	.787 (20)

UNION



	Part No.	Tube	Tube	B	L
	88040-02	1/8		.335 (8.5)	1.024 (26)
	88040-53	5/32		.413 (10.5)	1.181 (30)
	88040-04-53	1/4	5/32	.492 (12.5)	1.279 (32.5)
	88040-04	1/4		.492 (12.5)	1.378 (35)
	88040-05	5/16		.571 (14.5)	1.456 (37)
	88040-06-04	3/8	1/4	.688 (17.5)	1.555 (39.5)
	88040-06-08	3/8	1/2	.807 (20.5)	1.850 (47)
	88040-06	3/8		.689 (17.5)	1.693 (43)
	88040-08	1/2		.807 (20.5)	1.909 (48.5)

BULKHEAD UNION



	Part No.	Tube	M	L	CH	Amax
	88050-02	1/8	M10X1	1.024 (26)	.551 (14)	.197 (5)
	88050-53	5/32	M12X1	1.220 (32)	.669 (17)	.276 (7)
	88050-04	1/4	M14X1	1.378 (36)	.669 (17)	.374 (9.5)
	88050-05	5/16	M16X1	1.476 (37.5)	.748 (19)	.413 (10.5)
	88050-06	3/8	M20X1	1.732 (44)	.945 (24)	.492 (12.5)
	88050-08	1/2	M22X1	1.929 (49)	1.024 (26)	.650 (16.5)

FEMALE ELBOW

NPTF THREAD



Part No.	Tube	A NPTF	B	L1	L2	CH1	CH2
88105-53-02	5/32	1/8	.374 (9.5)	.669 (17)	.984 (25)	.354 (9)	.511 (13)
88105-53-04	5/32	1/4	.531 (13.5)	.669 (17)	1.240 (31.5)	.354 (9)	.629 (16)
88105-04-02	1/4	1/8	.374 (9.5)	.846 (21.5)	1.062 (27)	.433 (11)	.511 (13)
88105-04-04	1/4	1/4	.531 (13.5)	.826 (21)	1.279 (32.5)	.433 (11)	.629 (16)
88105-06-02	3/8	1/8	.374 (9.5)	1.062 (27)	1.220 (31)	.511 (13)	.511 (13)
88105-06-04	3/8	1/4	.531 (13.5)	1.062 (27)	1.397 (35.5)	.629 (16)	.629 (16)

SWIVEL ELBOW

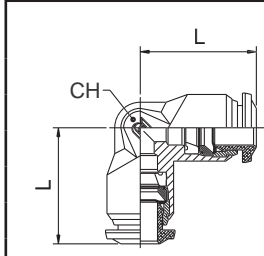


Part No.	Tube	A SWIFT	B	L1	L2	CH1	CH2
88115-02-32	1/8	10/32	.157 (4)	.650 (16.5)	.768 (19.5)	.354 (9)	.315 (8)
87110-02-02	1/8	1/8	.217 (5.5)	.650 (16.5)	.846 (21.5)	.354 (9)	.512 (13)
87110-02-04	1/8	1/4	.276 (7)	.669 (17)	1.003 (25.5)	.354 (9)	.591 (15)
88115-53-32	5/32	10/32	.157 (4)	.669 (17)	.768 (19.5)	.354 (9)	.315 (8)
87110-53-02	5/32	1/8	.217 (5.5)	.669 (17)	.846 (21.5)	.354 (9)	.512 (13)
87110-53-04	5/32	1/4	.276 (7)	.669 (17)	1.003 (25.5)	.354 (9)	.591 (15)
88115-04-32	1/4	10/32	.157 (4)	.827 (21)	.866 (22)	.433 (11)	.315 (8)
87110-04-02	1/4	1/8	.217 (5.5)	.846 (21.5)	.925 (23.5)	.433 (11)	.512 (13)
87110-04-04	1/4	1/4	.276 (7)	.846 (21.5)	.925 (23.5)	.433 (11)	.591 (15)
87110-04-06	1/4	3/8	.295 (7.5)	.846 (21.5)	1.082 (27.5)	.433 (11)	.669 (17)
87110-05-02	5/16	1/8	.217 (5.5)	.905 (23)	.984 (25)	.512 (13)	.512 (13)
87110-05-04	5/16	1/4	.276 (7)	.905 (23)	1.082 (27.5)	.512 (13)	.591 (15)
87110-05-06	5/16	3/8	.295 (7.5)	.886 (22.5)	1.102 (28)	.512 (13)	.669 (17)
87110-06-02	3/8	1/8	.217 (5.5)	1.062 (27)	1.082 (27.5)	.630 (16)	.512 (13)
87110-06-04	3/8	1/4	.276 (7)	1.062 (27)	1.161 (29.5)	.630 (16)	.591 (15)
87110-06-06	3/8	3/8	.295 (7.5)	1.062 (27)	1.181 (30)	.630 (16)	.669 (17)
87110-06-08	3/8	1/2	.354 (9)	1.062 (27)	1.299 (33)	.630 (16)	.827 (21)
87110-08-04	1/2	1/4	.276 (7)	1.240 (31.5)	1.299 (33)	.748 (19)	.591 (15)
87110-08-06	1/2	3/8	.295 (7.5)	1.240 (31.5)	1.299 (33)	.748 (19)	.669 (17)
87110-08-08	1/2	1/2	.354 (9)	1.240 (31.5)	1.417 (36)	.748 (19)	.827 (21)

UNION ELBOW



Part No.	Tube	L	CH
88130-02	1/8	.669 (17)	.354 (9)
88130-53	5/32	.669 (17)	.354 (9)
88130-04	1/4	.827 (21)	.433 (11)
88130-05	5/16	.905 (23)	.512 (13)
88130-06	3/8	1.043 (26.5)	.630 (16)
88130-08	1/2	1.201 (30.5)	.748 (19)

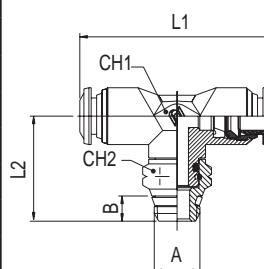


SWIVEL BRANCH TEE

SWIFT-FIT
Inch Tube



Part No.	Tube	A SWIFT	B	L1	L2	CH1	CH2
88215-02-32	1/8	10/32	.197 (5)	1.299 (33)	.787 (20)	.354 (9)	.315 (8)
87210-02-02	1/8	1/8	.217 (5.5)	1.299 (33)	.787 (21.5)	.354 (9)	.512 (13)
87210-02-04	1/8	1/4	.276 (7)	1.299 (33)	1.003 (25.5)	.354 (9)	.591 (15)
88215-53-32	5/32	10/32	.197 (5)	1.299 (33)	.787 (20)	.354 (9)	.315 (8)
87210-53-02	5/32	1/8	.217 (5.5)	1.339 (34)	.787 (21.5)	.354 (9)	.512 (13)
87210-53-04	5/32	1/4	.276 (7)	1.299 (33)	1.003 (25.5)	.354 (9)	.591 (15)
88215-04-32	1/4	10/32	.197 (5)	1.299 (33)	.866 (22)	.433 (11)	.315 (8)
87210-04-02	1/4	1/8	.217 (5.5)	1.673 (42.5)	.925 (23.5)	.433 (11)	.512 (13)
87210-04-04	1/4	1/4	.276 (7)	1.673 (42.5)	1.062 (27)	.433 (11)	.591 (15)
87210-04-06	1/4	3/8	.295 (7.5)	2.087 (53)	1.102 (28)	.630 (16)	.669 (17)
87210-06-02	3/8	1/8	.215 (5.5)	2.047 (52)	1.082 (27.5)	.630 (16)	.590 (15)
87210-06-04	3/8	1/4	.275 (7)	2.087 (53)	1.181 (30)	.630 (16)	.511 (13)
87210-06-06	3/8	3/8	.295 (7.5)	2.087 (53)	1.181 (30)	.630 (16)	.669 (17)
87210-06-08	3/8	1/2	.354 (9)	2.087 (53)	1.299 (33)	.630 (16)	.827 (21)
87210-08-04	1/2	1/4	.276 (7)	2.402 (61)	1.240 (31.5)	.748 (19)	.591 (15)
87210-08-06	1/2	3/8	.295 (7.5)	2.402 (61)	1.299 (33)	.748 (19)	.669 (17)
87210-08-08	1/2	1/2	.354 (9)	2.402 (61)	1.417 (36)	.748 (19)	.827 (21)



SWIVEL RUN TEE



	Part No.	Tube	A SWIFT	B	L1	L2	CH1	CH2
	88225-02-32	1/8	10-32	.197 (5)	.669 (17)	.787 (20)	.354 (9)	.315 (8)
	87222-02-02	1/8	1/8	.295 (7.5)	.669 (17)	.807 (20.5)	.354 (9)	.512 (13)
	87222-02-04	1/8	1/4	.511 (13)	.669 (17)	.945 (24)	.354 (9)	.591 (15)
	88225-53-32	5/32	10-32	.197 (5)	.669 (17)	.787 (20)	.354 (9)	.315 (8)
	87222-53-02	5/32	1/8	.295 (7.5)	.669 (17)	.787 (20)	.354 (9)	.512 (13)
	87222-53-04	5/32	1/4	.511 (13)	.669 (17)	.945 (24)	.354 (9)	.591 (15)
	88225-04-32	1/4	10-32	.197 (5)	.827 (21)	.866 (22)	.433 (11)	.315 (8)
	87222-04-02	1/4	1/8	.295 (7.5)	.827 (21)	.866 (22)	.433 (11)	.512 (13)
	87222-04-04	1/4	1/4	.511 (13)	.827 (21)	.984 (25)	.433 (11)	.591 (15)
	87222-04-06	1/4	3/8	.511 (13)	.827 (21)	1.102 (28)	.433 (11)	.591 (15)
	87222-06-04	3/8	1/4	.511 (13)	1.043 (26.5)	1.102 (28)	.630 (16)	.591 (15)
	87222-06-06	3/8	3/8	.511 (13)	1.043 (26.5)	1.181 (30)	.630 (16)	.669 (17)
	87222-06-08	3/8	1/2	.669 (17)	1.043 (26.5)	1.299 (33)	.630 (16)	.827 (21)
	87222-08-04	1/2	1/4	.511 (13)	1.201 (30.5)	1.240 (31.5)	.748 (19)	.591 (15)
	87222-08-06	1/2	3/8	.511 (13)	1.201 (30.5)	1.299 (33)	.748 (19)	.669 (17)
	87222-08-08	1/2	1/2	.669 (17)	1.201 (30.5)	1.417 (36)	.748 (19)	.827 (21)

UNION TEE



	Part No.	Tube	L1	L2	CH
	88230-02	1/8	1.299 (33)	.669 (17)	.354 (9)
	88230-53	5/32	1.339 (34)	.669 (17)	.354 (9)
	88230-04	1/4	1.654 (42)	.827 (21)	.433 (11)
	88230-05	5/16	1.772 (45)	.886 (22.5)	.512 (13)
	88230-06	3/8	2.087 (53)	1.043 (26.5)	.630 (16)
	88230-08	1/2	2.402 (61)	1.201 (30.5)	.748 (19)

UNION Y



	Part No.	Tube	A	L	CH
	88310-02	1/8	.394 (10)	1.142 (29)	.433 (11)
	88310-53	5/32	.433 (11)	1.260 (32)	.433 (11)
	88310-04	1/4	.531 (13.5)	1.437 (36.5)	.511 (13)
	88310-05	5/16	.610 (15.5)	1.514 (41)	.511 (13)
	88310-06	3/8	.728 (18.5)	1.890 (48)	.708 (18)

TUBE REDUCER



	Part No.	A	B	L
	88700-04-02	1/4	1/8	1.181 (30)
	88700-04-53	1/4	5/32	1.181 (30)
	88700-06-04	3/8	1/4	1.377 (35)
	88700-08-04	1/2	1/4	1.693 (43)
	88700-08-06	1/2	3/8	1.693 (43)

SWIFT-FIT Composite

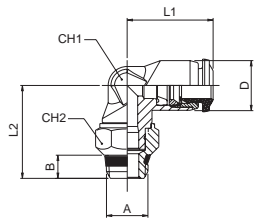


UNION



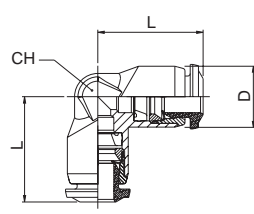
	Part No.	TUBE	TUBE	B	L
	85040-02	1/8	1/8	.339(10)	1.102(28)
	85040-53	4 (5/32)	4 (5/32)	.339(10)	1.2(3.5)
	85040-04-53	1/4	4 (5/32)	.492(12.5)	1.358(34.5)
	85040-04	1/4	1/4	.492(12.5)	1.377(35)
	85040-05-04	8 (5/16)	1/4	.551(14)	1.496(38)
	85040-05	8 (5/16)	8 (5/16)	.551(14)	1.456(37)
	85040-06-04	3/8	1/4	.669(17)	1.751(44.5)
	85040-06-05	3/8	8 (5/16)	.669(17)	1.751(44.5)
	85040-06	3/8	3/8	.669(17)	1.771(45)
	85040-08-06	1/2	3/8	.787(20)	1.968(50)
	85040-08	1/2	1/2	.787(20)	1.929(49)

SWIVEL ELBOW MALE



Part No.	TUBE	A SWIFT	B	L1	L2	CH1	CH2	D
85110-02-02	1/8	1/8	.216(5.5)	.61(15.5)	.649(16.5)	.275(7)	.511(13)	.393(10)
85110-02-04	1/8	1/4	.275(7)	.61(15.5)	.708(18)	.275(7)	.59(15)	.393(10)
85110-53-32	4 (5/32)	10-32	.157(4)	.649(16.5)	.567(14.5)	.275(7)	.354(9)	.393(10)
85110-53-02	4 (5/32)	1/8	.216(5.5)	.649(16.5)	.649(16.5)	.275(7)	.511(13)	.339(10)
85110-53-04	4 (5/32)	1/4	.275(7)	.649(16.5)	.708(18)	.275(7)	.59(15)	.339(10)
85110-04-32	1/4	10-32	.157(4)	.807(2.5)	.61(15.5)	.354(9)	.354(9)	.492(12.5)
85110-04-02	1/4	1/8	.216(5.5)	.807(2.5)	.688(17.5)	.354(9)	.511(13)	.492(12.5)
85110-04-04	1/4	1/4	.275(7)	.807(2.5)	.748(19)	.354(9)	.59(15)	.492(12.5)
85110-04-06	1/4	3/8	.295(7.5)	.807(2.5)	.787(20)	.354(9)	.669(17)	.492(12.5)
85110-04-08	1/4	1/2	.354(9)	.807(2.5)	.866(22)	.354(9)	.826(21)	.492(12.5)
85110-05-02	8 (5/16)	1/8	.216(5.5)	.866(22)	.728(18.5)	.339(10)	.511(13)	.551(14)
85110-05-04	8 (5/16)	1/4	.275(7)	.866(22)	.787(20)	.339(10)	.59(15)	.551(14)
85110-05-06	8 (5/16)	3/8	.295(7.5)	.866(22)	.807(2.5)	.339(10)	.669(17)	.551(14)
85110-05-08	8 (5/16)	1/2	.354(9)	.866(22)	.905(23)	.339(10)	.826(21)	.551(14)
85110-06-04	3/8	1/4	.275(7)	1.043(26.5)	.866(22)	.511(13)	.629(16)	.669(17)
85110-06-06	3/8	3/8	.295(7.5)	1.043(26.5)	.866(22)	.511(13)	.669(17)	.669(17)
85110-06-08	3/8	1/2	.354(9)	1.043(26.5)	.964(24.5)	.511(13)	.826(21)	.669(17)
85110-08-04	1/2	1/4	.275(7)	1.2(30.5)	.905(23)	.629(16)	.629(16)	.787(20)
85110-08-06	1/2	3/8	.295(7.5)	1.2(30.5)	.905(23)	.629(16)	.669(17)	.787(20)
85110-08-08	1/2	1/2	.354(9)	1.2(30.5)	1.003(25.5)	.629(16)	.826(21)	.787(20)

UNION ELBOW

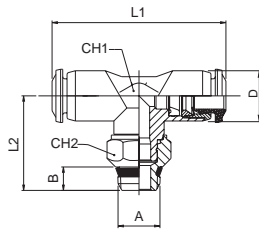


Part No.	TUBE	L	CH1	D
85130-02	1/8	.61(15.5)	.354(9)	.393(10)
85130-53	4 (5/32)	.649(16.5)	.354(9)	.339(10)
85130-04	1/4	.807(2.5)	.433(11)	.492(12.5)
85130-05	8 (5/16)	.866(22)	.511(13)	.551(14)
85130-06	3/8	1.043(26.5)	.629(16)	.669(17)
85130-08	1/2	1.2(30.5)	.748(19)	.787(20)

SWIVEL BRANCH TEE

NEW

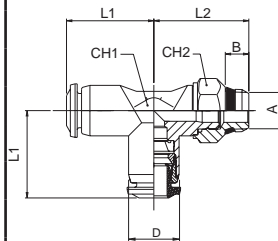
SWIFT-FIT
Composite



Part No.	TUBE	A SWIFT	B	L1	L2	CH1	CH2	D
85210-02-02	1/8	1/8	.216(5.5)	1.2(3.5)	.728(18.5)	.275(7)	.511(13)	.339(10)
85210-02-04	1/8	1/4	.275(7)	1.2(3.5)	.787(20)	.275(7)	.59(15)	.339(10)
85210-53-32	4 (5/32)	10/32	.157(4)	1.2(3.5)	.629(16)	.275(7)	.354(9)	.393(10)
85210-53-02	4 (5/32)	1/8	.216(5.5)	.649(16.5)	.728(18.5)	.275(7)	.511(13)	.339(10)
85210-53-04	4 (5/32)	1/4	.275(7)	1.2(3.5)	.787(20)	.275(7)	.354(9)	.339(10)
85210-04-32	1/4	10/32	.157(4)	1.594(4.5)	.61(15.5)	.354(9)	.354(9)	.492(12.5)
85210-04-02	1/4	1/8	.216(5.5)	1.594(4.5)	.787(20)	.354(9)	.511(13)	.492(12.5)
85210-04-04	1/4	1/4	.275(7)	1.594(4.5)	.846(21.5)	.354(9)	.59(15)	.492(12.5)
85210-05-02	8 (5/16)	1/8	.216(5.5)	1.732(44)	.826(21)	.339(10)	.511(13)	.551(14)
85210-05-04	8 (5/16)	11/4	.275(7)	1.732(44)	.885(22.5)	.339(10)	.59(15)	.551(14)
85210-05-06	8 (5/16)	3/8	.295(7.5)	1.732(44)	.905(23)	.339(10)	.669(17)	.551(14)
85210-06-04	3/8	1/4	.275(7)	2.086(53)	1.023(26)	.511(13)	.629(16)	.669(17)
85210-06-06	3/8	3/8	.295(7.5)	2.086(53)	1.023(26)	.511(13)	.669(17)	.669(17)
85210-06-08	3/8	1/2	.354(9)	2.086(53)	1.102(28)	.511(13)	.826(21)	.669(17)
85210-08-04	1/2	1/4	.275(7)	2.421(61.5)	1.062(27)	.629(16)	.629(16)	.787(20)
85210-08-06	1/2	3/8	.295(7.5)	2.421(61.5)	1.062(27)	.629(16)	.669(17)	.787(20)
85210-08-08	1/2	1/2	.354(9)	2.421(61.5)	1.102(28)	.629(16)	.826(21)	.787(20)

SWIVEL RUN TEE

NEW

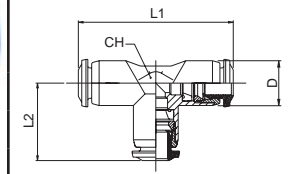


Part No.	TUBE	A SWIFT	B	L1	L2	CH1	CH2	D
85222-02-02	1/8	1/8	.216(5.5)	.61(15.5)	.708(18)	.275(7)	.511(13)	.393(10)
85222-02-04	1/8	1/4	.275(7)	.61(15.5)	.767(19.5)	.275(7)	.59(15)	.393(10)
85222-53-32	4 (5/32)	10/32	.157(4)	.649(16.5)	.629(16)	.275(7)	.354(9)	.339(10)
85222-53-02	4 (5/32)	1/8	.216(5.5)	.551(14)	.708(18)	.275(7)	.511(13)	.339(10)
85222-53-04	4 (5/32)	1/4	.275(7)	.551(14)	.767(19.5)	.275(7)	.59(15)	.339(10)
85222-04-32	1/4	10/32	.157(4)	.807(2.5)	.57(14.5)	.354(9)	.354(9)	.492(12.5)
85222-04-02	1/4	1/8	.216(5.5)	.807(2.5)	.688(17.5)	.354(9)	.511(13)	.492(12.5)
85222-04-04	1/4	1/4	.275(7)	.807(2.5)	.748(19)	.354(9)	.59(15)	.492(12.5)
85222-05-02	8 (5/16)	1/8	.216(5.5)	.866(22)	.748(19)	.339(10)	.511(13)	.551(14)
85222-05-04	8 (5/16)	1/4	.275(7)	.866(22)	.807(2.5)	.339(10)	.59(15)	.551(14)
85222-05-06	8 (5/16)	3/8	.295(7.5)	.866(22)	.826(21)	.339(10)	.669(17)	.551(14)
85222-06-04	3/8	1/4	.275(7)	1.043(26.5)	.866(22)	.511(13)	.629(16)	.669(17)
85222-06-06	3/8	3/8	.295(7.5)	1.043(26.5)	.866(22)	.511(13)	.669(17)	.669(17)
85222-06-08	3/8	1/2	.354(9)	1.043(26.5)	.964(24.5)	.511(13)	.826(21)	.669(17)
85222-08-04	1/2	1/4	.275(7)	1.2(3.5)06	.905(23)	.629(16)	.629(16)	.787(20)
85222-08-06	1/2	3/8	.295(7.5)	1.2(3.5)09	.905(23)	.629(16)	.669(17)	.787(20)
85222-08-08	1/2	1/2	.354(9)	1.2(3.5)09	1.003(25.5)	.629(16)	.826(21)	.787(20)

UNION TEE



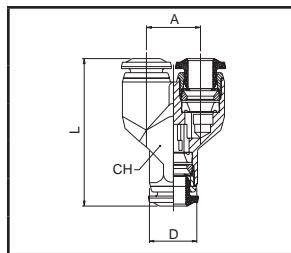
Part No.	TUBE	L1	L2	CH	D
85230-02	1/8	1.2(3.5)2	.61(15.5)	.354(9)	.339(10)
85230-53	4 (5/32)	1.2(3.5)	.649(16.5)	.354(9)	.339(10)
85230-04	1/4	1.614(41)	.807(2.5)	.433(11)	.492(12.5)
85230-05	8 (5/16)	1.732(44)	.866(22)	.511(13)	.551(14)
85230-06	3/8	2.086(53)	1.043(26.5)	.629(16)	.669(17)
85230-08	1/2	2.421(61.5)	1.2(30.5)	.748(19)	.787(20)



UNION Y



Part No.	TUBE	L1	L2	CH	D
85310-53	4 (5/32)	1.2(3.5)4	.433(11)	.339(10)	.339(10)
85310-04	1/4	1.456(37)	.531(13.5)	.472(12)	.492(12.5)
85310-05	8 (5/16)	1.574(40)	.61(15.5)	.551(14)	.551(14)
85310-06	3/8	1.85(47)	.748(19)	.669(17)	.708(18)
85310-08	1/2	2.322(59)	.866(22)	.787(20)	.787(20)



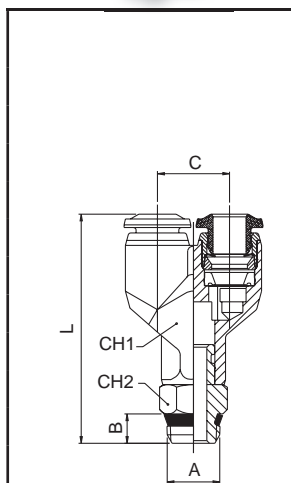
THREADED Y



SWIFT-FIT
Composite



Part No.	TUBE	A SWIFT	B	C	L	CH1	CH2
85320-53-32	4 (5/32)	10/32	.157(4)	.433(11)	1.437(36.5)	.339(10)	.339(10)
85320-53-02	4 (5/32)	1/8	.216(5.5)	.433(11)	1.496(38)	.339(10)	.433(11)
85320-53-04	4 (5/32)	1/4	.275(7)	.433(11)	1.594(4.5)	.339(10)	.551(14)
85320-04-32	1/4	10/32	.157(4)	.531(13.5)	1.633(41.5)	.472(12)	.339(10)
85320-04-02	1/4	1/8	.216(5.5)	.511(13)	1.692(43)	.472(12)	.433(11)
85320-04-04	1/4	1/4	.275(7)	.531(13.5)	1.791(45.5)	.472(12)	.551(14)
85320-05-02	8 (5/16)	1/8	.216(5.5)	.61(15.5)	1.85(47)	.551(14)	.433(11)
85320-05-04	8 (5/16)	1/4	.275(7)	.61(15.5)	1.929(49)	.551(14)	.551(14)
85320-05-06	8 (5/16)	3/8	.295(7.5)	.61(15.5)	1.948(49.5)	.551(14)	.669(17)
85320-06-04	3/8	1/4	.275(7)	.748(19)	2.224(56.5)	.669(17)	.551(14)
85320-06-06	3/8	3/8	.295(7.5)	.748(19)	2.263(57.5)	.669(17)	.669(17)
85320-06-08	3/8	1/2	.354(9)	.748(19)	2.362(60)	.669(17)	.826(21)
85320-08-06	1/2	3/8	.295(7.5)	.866(22)	2.618(66.5)	.787(20)	.669(17)
85320-08-08	1/2	1/2	.354(9)	.866(22)	2.677(68)	.787(20)	.826(21)



4 POSITION Y



Part No.	TUBE	C	L	F	H
85330-53-53	4 (5/32)	.433(11)	1.318(33.5)	.129[3.3]	.846(21.5)

4 POSITION THREADED Y



SWIFT-FIT
Composite



Part No.	TUBE	TUBE	C	L	F	H	CH
85340-53-02	4 (5/32)	1/8	.216(5.5)	1.555(39.5)	.129[3.3]	.846(21.5)	.433(11)
85340-53-04	4 (5/32)	1/4	.275(7)	1.653(42)	.129[3.3]	.846(21.5)	.551(14)

PLUG



Part No.	A	B	C
88610-02	1/8	.708 (18)	.236 (6)
88610-53	5/32	.925 (23.5)	.315 (8)
88610-04	1/4	.964 (24.5)	.413 (10.5)
88610-05	5/16	1.023 (26)	.511 (13)
88610-06	3/8	1.122 (28.5)	.669 (17)
88610-08	1/2	1.122 (28.5)	.787 (20)



87861-04

1/4" TUBE FITTING KIT

Part No.	Description	Qty
87000-04-02	Straight 1/4 Tube x 1/8 Male Swift-Fit	5
87000-04-04	Straight 1/4 Tube x 1/4 Male Swift-Fit	5
87000-04-06	Straight 1/4 Tube x 3/8 Male Swift-Fit	5
87110-04-02	Swivel Elbow 1/4 Tube x 1/8 Male Swift-Fit	5
87110-04-04	Swivel Elbow 1/4 Tube x 1/4 Male Swift-Fit	5
87110-04-06	Swivel Elbow 1/4 Tube x 3/8 Male Swift-Fit	5
87210-04-02	Branch Tee 1/4 Tube x 1/8 Male Swift-Fit	5
87210-04-04	Branch Tee 1/4 Tube x 1/4 Male Swift-Fit	5
87210-04-06	Branch Tee 1/4 Tube x 3/8 Male Swift-Fit	5
88040-04	Union 1/4 Tube	5
88130-04	Union Elbow 1/4 Tube	5
88230-04	Union Tee 1/4 Tube	5

87861-08

1/2" TUBE FITTING KIT

Part No.	Description	Qty
87000-08-04	Straight 1/2 Tube x 1/4 Male Swift-Fit	3
87000-08-06	Straight 1/2 Tube x 3/8 Male Swift-Fit	3
87000-08-08	Straight 1/2 Tube x 1/2 Male Swift-Fit	3
87110-08-04	Swivel Elbow 1/2 Tube x 1/4 Male Swift-Fit	3
87110-08-06	Swivel Elbow 1/2 Tube x 3/8 Male Swift-Fit	3
87110-08-08	Swivel Elbow 1/2 Tube x 1/2 Male Swift-Fit	3
87210-08-04	Branch Tee 1/2 Tube x 1/4 Male Swift-Fit	3
87210-08-06	Branch Tee 1/2 Tube x 3/8 Male Swift-Fit	3
87210-08-08	Branch Tee 1/2 Tube x 1/2 Male Swift-Fit	3
88040-08	Union 1/2 Tube	3
88130-08	Union Elbow 1/2 Tube	3
88230-08	Union Tee 1/2 Tube	3

87861-06

3/8" TUBE FITTING KIT

Part No.	Description	Qty
87000-06-04	Straight 3/8 Tube x 1/4 Male Swift-Fit	5
87000-06-06	Straight 3/8 Tube x 3/8 Male Swift-Fit	5
87000-06-08	Straight 3/8 Tube x 1/2 Male Swift-Fit	5
87110-06-04	Swivel Elbow 3/8 Tube x 1/4 Male Swift-Fit	5
87110-06-06	Swivel Elbow 3/8 Tube x 3/8 Male Swift-Fit	5
87110-06-08	Swivel Elbow 3/8 Tube x 1/2 Male Swift-Fit	5
87210-06-04	Branch Tee 3/8 Tube x 1/4 Male Swift-Fit	5
87210-06-06	Branch Tee 3/8 Tube x 3/8 Male Swift-Fit	5
87210-06-08	Branch Tee 3/8 Tube x 1/2 Male Swift-Fit	5
88040-06	Union 3/8 Tube	5
88130-06	Union Elbow 3/8 Tube	5
88230-06	Union Tee 3/8 Tube	5

87861-90

MIXED TUBE FITTING KIT

Part No.	Description	Qty
87000-04-04	Straight 1/4 Tube x 1/4 Male Swift-Fit	5
87000-06-06	Straight 3/8 Tube x 3/8 Male Swift-Fit	5
87000-08-08	Straight 1/2 Tube x 1/2 Male Swift-Fit	3
87110-04-04	Swivel Elbow 1/4 Tube x 1/4 Male Swift-Fit	5
87110-06-06	Swivel Elbow 3/8 Tube x 3/8 Male Swift-Fit	5
87110-08-08	Swivel Elbow 1/2 Tube x 1/2 Male Swift-Fit	3
87210-04-04	Branch Tee 1/4 Tube x 1/4 Male Swift-Fit	5
87210-06-06	Branch Tee 3/8 Tube x 3/8 Male Swift-Fit	5
87210-08-08	Branch Tee 1/2 Tube x 1/2 Male Swift-Fit	3
88040-04	Union 1/4 Tube	5
88040-06	Union 3/8 Tube	5
88040-08	Union 1/2 Tube	3
88130-04	Union Elbow 1/4 Tube	5
88130-06	Union Elbow 3/8 Tube	5
88130-08	Union Elbow 1/2 Tube	3
88230-04	Union Tee 1/4 Tube	5
88230-06	Union Tee 3/8 Tube	5
88230-08	Union Tee 1/2 Tube	3

SWIFT-FIT

Stainless

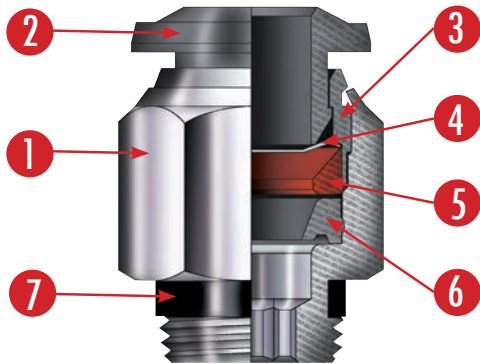


ONE FITTING....ENDLESS POSSIBILITIES

NPTF • BSPP • BSPT • ISO 7 • ISO 228 • G Thread • J Thread

COMPONENT SPECIFICATIONS

Pressure Rating:	Vacuum-250 PSI
Temperature Rating:	5° F - 437° F
Tubing Compatibility:	Nylon*
	Polyethylene*
	Polyurethane*
	Copper
	<small>*98 Shore A for best results</small>
Media:	Compressed Air Fluid for food and Chemical Industry compatible with component specifications



1. Body	Stainless steel
2. Thrust Ring	Stainless steel
3. Sleeve	Stainless steel
4. Gripper Collet	Stainless steel
5. Safety Ring	PTFE
6. Lip Seal	FKM
7. Thread Seal	FKM

SWIFT-FIT

Stainless

Stainless Steel Push-To-Connect Fittings Inch Tube
x Universal Thread

TUBE SIZES:	THREAD SIZES:
Inch	10-32
5/32 (4mm)	1/8
1/4	1/4
5/16 (8mm)	3/8
3/8	1/2
1/2	

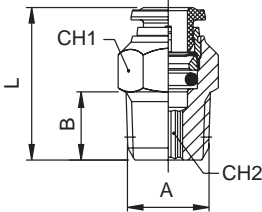
SAVE TIME.. SAVE MONEY.. USE SWIFT-FIT

- No Stripped Fittings**
- Quick Installation**
- No Stripped Ports**
- No Pitch Identification**
- Completely Reusable**
- Reduce Inventory**

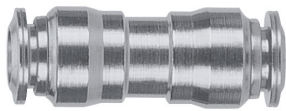
STRAIGHT MALE



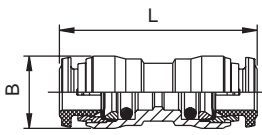
Part No.	TUBE	A SWIFT	B	L	CH		C
					CH1	CH2	
60000-53-32	5/32(4)	10/32	.157(4)	.826(21)	.393(10)	.078(2)	.314(8)
60000-53-02	5/32(4)	1/8	.216(5.5)	.708(18)	.433(11)	.118(3)	-
60000-53-04	5/32(4)	1/4	.275(7)	.767(19.5)	.551(14)	.118(3)	-
60000-04-02	1/4	1/8	.334(8.5)	.925(23.5)	.511(13)	.157(4)	-
60000-04-04	1/4	1/4	.275(7)	.807(2.5)	.551(14)	.157(4)	-
60000-05-02	5/16(8)	1/8	.216(5.5)	.944(24)	.551(14)	.196(5)	-
60000-05-04	5/16(8)	1/4	.275(7)	.846(21.5)	.551(14)	.236(6)	-
60000-06-04	3/8	1/4	.275(7)	1.279(32.5)	.669(17)	.275(7)	-
60000-06-06	3/8	3/8	.295(7.5)	1.161(29.5)	.708(18)	.275(7)	-
60000-08-06	1/2	3/8	.295(7.5)	1.22(31)	.826(21)	.354(9)	-
60000-08-08	1/2	1/2	.354(9)	1.22(31)	.826(21)	.393(10)	-



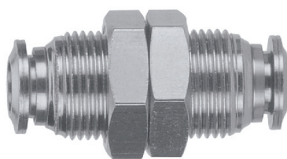
UNION



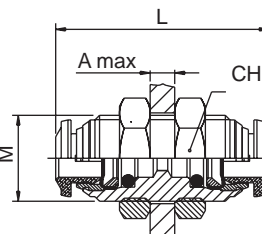
Part No.	TUBE	B	L
60040-53	5/32(4)	.393(10)	1.22(31)
60040-04	1/4	.492(12.5)	1.377(35)
60040-05	5/16(8)	.57(14.5)	1.437(36.5)
60040-06	3/8	.688(17.5)	1.653(42)
60040-08	1/2	.807(2.5)	1.889(48)



BULKHEAD UNION



Part No.	TUBE	M	L	CH	A MAX
60050-53	5/32(4)	M12X1	1.22(31)	.669(17)	.275(7)
60050-04	1/4	M14X1	1.377(35)	.669(17)	.354(9)
60050-05	5/16(8)	M16X1	1.456(37)	.748(19)	.413(1.5)
60050-06	3/8	M20X1	1.653(42)	.944(24)	.492(12.5)
60050-08	1/2	M22X1	1.889(48)	1.023(26)	.649(16.5)



SWIVEL MALE ELBOW



SWIFT-FIT
Stainless



	Part No.	TUBE	A SWIFT	B	L1	L2	CH1	CH2
	60110-53-32	5/32(4)	10/32	.157(4)	.708(18)	.629(16)	.345(9)	.314(8)
	60110-53-02	5/32(4)	1/8	.216(5.5)	.708(18)	.688(17.5)	.354(9)	.511(13)
	60110-53-04	5/32(4)	1/4	.275(7)	.708(18)	.688(17.5)	.354(9)	.551(14)
	60110-04-02	1/4	1/8	.216(5.5)	.826(21)	.748(19)	.433(11)	.511(13)
	60110-04-04	1/4	1/4	.275(7)	.826(21)	.748(19)	.433(11)	.59(15)
	60110-05-02	5/16(8)	1/8	.216(5.5)	.885(22.5)	.826(21)	.472(12)	.511(13)
	60110-05-04	5/16(8)	1/4	.275(7)	.885(22.5)	.826(21)	.472(12)	.59(15)
	60110-06-04	3/8	1/4	.275(7)	1.023(26)	.984(25)	.629(16)	.629(16)
	60110-06-06	3/8	3/8	.295(7.5)	1.023(26)	.925(23.5)	.629(16)	.669(17)
	60110-06-08	3/8	1/2	.354(9)	1.023(26)	1.023(26)	.629(16)	.826(21)
	60110-08-06	1/2	3/8	.295(7.5)	1.2(3.5)	1.003(25.5)	.748(19)	.787(20)
	60110-08-08	1/2	1/2	.354(9)	1.2(3.5)	1.102(28)	.748(19)	.826(21)

UNION ELBOW



	Part No.	TUBE	L	CH
	60130-53	5/32(4)	.708(18)	.354(9)
	60130-04	1/4	.826(21)	.433(11)
	60130-05	5/16(8)	.885(22.5)	.472(12)
	60130-06	3/8	1.023(26)	.629(16)
	60130-08	1/2	1.2(3.5)	.748(19)

SWIVEL MALE ELBOW



	Part No.	TUBE	A SWIFT	B	L1	L2	CH1	CH2
	60210-53-32	5/32(4)	10/32	.157(4)	1.417(36)	.629(16)	.354(9)	.314(8)
	60210-53-02	5/32(4)	1/8	.216(5.5)	1.417(36)	.688(17.5)	.354(9)	.511(13)
	60210-53-04	5/32(4)	1/4	.275(7)	1.417(36)	.748(19)	.354(9)	.59(15)
	60210-04-02	1/4	1/8	.216(5.5)	1.653(42)	.748(19)	.433(11)	.511(13)
	60210-04-04	1/4	1/4	.275(7)	1.653(42)	.807(2.5)	.433(11)	.59(15)
	60210-05-02	5/16(8)	1/8	.216(5.5)	1.771(45)	.846(21.5)	.472(12)	.511(13)
	60210-05-04	5/16(8)	1/4	.275(7)	1.771(45)	.846(21.5)	.472(12)	.59(15)
	60210-06-04	3/8	1/4	.275(7)	2.047(52)	1.023(26)	.629(16)	.629(16)
	60210-06-06	3/8	3/8	.295(7.5)	2.047(52)	.944(24)	.629(16)	.669(17)
	60210-06-08	3/8	1/2	.354(9)	2.047(52)	.944(24)	.629(16)	.826(21)
	60210-08-06	1/2	3/8	.295(7.5)	2.381(6.5)	1.003(25.5)	.748(19)	.787(20)
	60210-08-08	1/2	1/2	.354(9)	2.381(6.5)	1.102(28)	.748(19)	.826(21)

UNION TEE



	Part No.	TUBE	L1	L2	CH
	60230-53	5/32(4)	1.417(36)	.708(18)	.354(9)
	60230-04	1/4	1.653(42)	.826(21)	.433(11)
	60230-05	5/16(8)	1.771(45)	.885(22.5)	.472(12)
	60230-06	3/8	2.047(52)	1.023(26)	.629(16)
	60230-08	1/2	2.381(6.5)	1.2(3.5)	.748(19)

SWIFT-FIT

Metric Tube



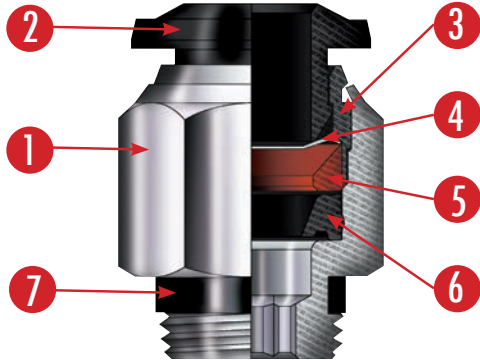
ONE FITTING....ENDLESS POSSIBILITIES

NPTF • BSPP • BSPT • ISO 7 • ISO 228 • G Thread • J Thread

COMPONENT SPECIFICATIONS

Pressure Rating:	Vacuum-250 PSI
Temperature Rating:	0-160° F
Tubing Compatibility:	Nylon*
	Polyethylene*
	Polyurethane*
	Copper
Media:	Compressed Air
	Water

*98 Shore A for best results



1. Body	Nickel Plated Brass
2. Thrust Ring	Nickel Plated Brass or Composite
3. Sleeve	Nickel Plated Brass
4. Gripper Collet	Stainless steel
5. Safety Ring	Technopolymer
6. Lip Seal	NBR 70
7. Thread Seal	NBR 70

SWIFT-FIT
Metallic

Push-To-Connect Fittings Metric Tube Nickel Plated Release x Universal Thread System

SWIFT-FIT
Metric Tube

Push-To-Connect Fittings with Metric Tube. Composite Release x Universal Thread System

SWIFT-FIT
Control Valves

Metric Tube Flow Controls & Needle Valves With Composite Release x Universal Thread System

TUBE SIZES:

Metric
3mm
4mm (5/32)
5mm
6mm
8mm (5/16)
10mm
12mm
14mm

THREAD SIZES:

M5
1/8
1/4
3/8
1/2

TORQUE SPECIFICATIONS

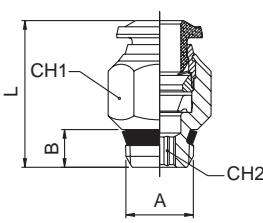
Threads		1/8	1/4	3/8	1/2
Min torque	(Nm)	5	5	5	5
	(Ft lbs)	3.7	3.7	3.7	3.7
Max torque	(Nm)	7	7	7	7
	(Ft lbs)	5.2	5.2	5.2	5.2

SAVE TIME.. SAVE MONEY.. USE SWIFT-FIT

- **No Stripped Fittings**
- **Quick Installation**
- **No Stripped Ports**
- **No Pitch Identification**
- **Completely Reusable**
- **Reduce Inventory**

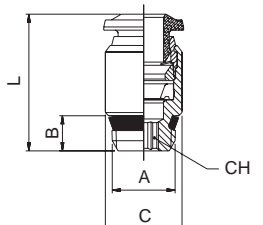
STRAIGHT MALE



							
	Part No.	TUBE	A SWIFT	B	L	CH1	CH2
	89000-53-02	4 (5/32)	1/8	.216(5.5)	.708(18)	.433(11)	.118(3)
	89000-53-04	4 (5/32)	1/4	.275(7)	.748(19)	.551(14)	.118(3)
	57000-6-1/8	6	1/8	.216(5.5)	.846(21.5)	.511(13)	.157(4)
	57000-6-1/4	6	1/4	.275(7)	.826(21)	.551(14)	.157(4)
	57000-6-3/8	6	3/8	.295(7.5)	.905(23)	.669(17)	.157(4)
	57000-6-1/2	6	1/2	.354(9)	.925(23.5)	.826(21)	.157(4)
	89000-05-02	8 (5/16)	1/8	.216(5.5)	.964(24.5)	.551(14)	.196(5)
	89000-05-04	8 (5/16)	1/4	.275(7)	.866(22)	.551(14)	.236(6)
	89000-05-06	8 (5/16)	3/8	.295(7.5)	.905(23)	.669(17)	.236(6)
	89000-05-08	8 (5/16)	1/2	.354(9)	.925(23.5)	.826(21)	.236(6)
	57000-10-1/4	10	1/4	.275(7)	1.102(28)	.669(17)	.275(7)
	57000-10-3/8	10	3/8	.295(7.5)	.216(5.5)	.669(17)	.314(8)
	57000-10-1/2	10	1/2	.354(9)	1.023(26)	.826(21)	.314(8)
	57000-12-1/4	12	1/4	.275(7)	1.24(31.5)	.787(20)	.275(7)
	57000-12-3/8	12	3/8	.295(7.5)	1.161(29.5)	.787(20)	.354(9)
	57000-12-1/2	12	1/2	.354(9)	1.24(31.5)	.826(21)	.393(10)
	57000-14-3/8	14	3/8	.295(7.5)	1.279(32.5)	.826(21)	.354(9)
	57000-14-1/2	14	1/2	.354(9)	1.24(31.5)	.826(21)	.393(10)

STRAIGHT MALE WITH INTERNAL HEX



							
	Part No.	TUBE	A SWIFT	B	L	CH	C
	89010-53-02	4 (5/32)	1/8	.295(7.5)	.748(19)	.118(3)	.393(10)
	57010-6-1/8	6	1/8	.295(7.5)	.885(22.5)	.157(4)	.472(12)
	57010-6-1/4	6	1/4	.433(11)	.964(24.5)	.157(4)	.551(14)
	89010-05-02	8 (5/16)	1/8	.295(7.5)	.216(5.5)	.196(5)	.551(14)
	89010-05-04	8 (5/16)	1/4	.433(11)	.984(25)	.236(6)	.551(14)

STRAIGHT FEMALE

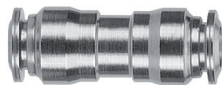


BSPP THREAD



	Part No.	TUBE	A SWIFT	B	L	CH
	57030-4-M5	4 (5/32)	M5	.216(5.5)	.826(21)	.433(11)
	57030-4-1/8	4 (5/32)	1/8	.334(8.5)	.944(24)	.511(13)
	57030-4-1/4	4 (5/32)	1/4	.433(11)	1.082(27.5)	.629(16)
	57030-5-1/8	5	1/8	.334(8.5)	1.043(26.5)	.511(13)
	57030-6-1/8	6	1/8	.334(8.5)	1.023(26)	.511(13)
	57030-6-1/4	6	1/4	.433(11)	1.161(29.5)	.629(16)
	57030-8-1/8	8 (5/16)	1/8	.334(8.5)	1.062(27)	.59(15)
	57030-8-1/4	8 (5/16)	1/4	.433(11)	1.161(29.5)	.669(17)
	57030-8-3/8	8 (5/16)	3/8	.472(12)	1.259(32)	.748(19)
	57030-10-1/4	10	1/4	.433(11)	1.259(32)	.708(18)
	57030-10-1/2	10	3/8	.472(12)	1.318(33.5)	.748(19)
	57030-10-1/2	10	1/2	.59(15)	1.535(39)	.944(24)
	57030-12-3/8	12	3/8	.472(12)	1.417(36)	.826(21)
	57030-12-1/2	12	1/2	.59(15)	1.614(41)	.944(24)

UNION



	Part No.	TUBE	L
	89040-53	4 (5/32)	1.2(3.5)
	57040-5	5	1.299(33)
	57040-6-4	6 - 4	1.259(32)
	57040-6	6	1.338(34)
	57040-8-6	8 - 6	1.377(35)
	89040-05	8 (5/16)	1.417(36)
	57040-10-8	10 - 8	1.594(4.5)
	57040-10	10	1.653(42)
	57040-12-10	12 - 10	1.791(45.5)
	57040-12	12	1.85(47)
	57040-14	14	1.929(49)

BULKHEAD UNION



	Part No.	TUBE	M	L	CH	A MAX
	89050-53	4 (5/32)	M12x1	1.24(31.5)	.669(17)	.275(7)
	57050-5	5	M14x1	1.299(33)	.669(17)	.275(7)
	57050-6	6	M14x1	1.377(35)	.669(17)	.374(9.5)
	89050-05	8 (5/16)	M16x1	1.456(37)	.748(19)	.413(1.5)
	57050-10	10	M20x1	1.692(43)	.944(24)	.492(12.5)
	57050-12	12	M22x1	1.889(48)	1.023(26)	.649(16.5)

FEMALE ELBOW



BSPP THREAD

	Part No.	TUBE	A SWIFT	B	L1	L2	CH1	CH2
	57105-4-1/8	4 (5/32)	1/8	.334(8.5)	.708(18)	.787(20)	.354(9)	.511(13)
	57105-4-1/4	4 (5/32)	1/4	.433(11)	.708(18)	.846(21.5)	.354(9)	.629(16)
	57105-6-1/8	6	1/8	.334(8.5)	.826(21)	.807(2.5)	.433(11)	.511(13)
	57105-6-1/4	6	1/4	.433(11)	.826(21)	.905(23)	.433(11)	.629(16)
	57105-8-1/8	8 (5/16)	1/8	.334(8.5)	.885(22.5)	.807(2.5)	.472(12)	.511(13)
	57105-8-1/4	8 (5/16)	1/4	.433(11)	.885(22.5)	.905(23)	.472(12)	.629(16)

SWIVEL ELBOW

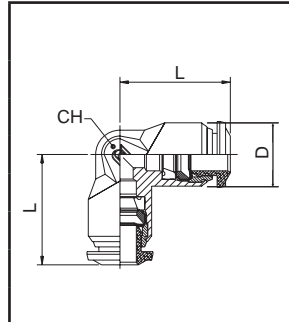


	Part No.	TUBE	A SWIFT	B	L1	L2	CH1	CH2
	89110-53-02	4 (5/32)	1/8	.216(5.5)	.708(18)	.767(19.5)	.354(9)	.511(13)
	89110-53-04	4 (5/32)	1/4	.275(7)	.708(18)	.826(21)	.354(9)	.59(15)
	57110-6-1/8	6	1/8	.216(5.5)	.826(21)	.846(21.5)	.433(11)	.511(13)
	57110-6-1/4	6	1/4	.275(7)	.826(21)	.905(23)	.433(11)	.59(15)
	89110-05-02	8 (5/16)	1/8	.216(5.5)	.885(22.5)	.885(22.5)	.472(12)	.511(13)
	89110-05-04	8 (5/16)	1/4	.275(7)	.885(22.5)	.885(22.5)	.472(12)	.59(15)
	89110-05-06	8 (5/16)	3/8	.295(7.5)	.885(22.5)	.905(23)	.472(12)	.669(17)
	89110-05-08	8 (5/16)	1/2	.354(9)	.885(22.5)	.216(5.5)	.472(12)	.826(21)
	57110-10-1/4	10	1/4	.275(7)	1.043(26.5)	1.043(26.5)	.551(14)	.629(16)
	57110-10-3/8	10	3/8	.295(7.5)	1.043(26.5)	.964(24.5)	.551(14)	.669(17)
	57110-10-1/2	10	1/2	.354(9)	1.043(26.5)	1.062(27)	.551(14)	.826(21)
	57110-12-3/8	12	3/8	.295(7.5)	1.24(31.5)	1.043(26.5)	.629(16)	.787(20)
	57110-12-1/2	12	1/2	.354(9)	1.24(31.5)	1.141(29)	.629(16)	.826(21)
	57110-14-3/8	14	3/8	.295(7.5)	1.24(31.5)	1.062(27)	.629(16)	.787(20)
	57110-14-1/2	14	1/2	.354(9)	1.24(31.5)	1.161(29.5)	.629(16)	.826(21)

UNION ELBOW



Part No.	TUBE	L	CH
89130-53	4 (5/32)	.669(17)	.354(9)
57130-5	5	.787(20)	.433(11)
57130-6	6	.826(21)	.433(11)
89130-05	8 (5/16)	.885(22.5)	.511(13)
57130-10	10	1.043(26.5)	.629(16)
57130-12	12	1.2(30.5)	.748(19)
57130-14	14	1.279(32.5)	.748(19)



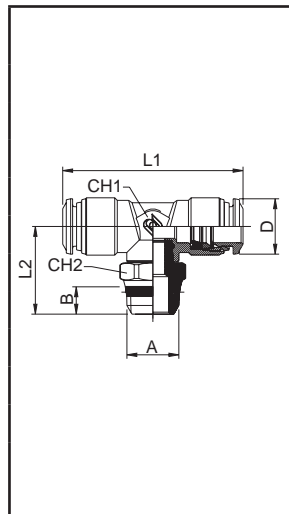
SWIVEL BRANCH TEE



SWIFT-FIT
Metallic



Part No.	TUBE	A SWIFT	B	L1	L2	CH1	CH2
89210-53-02	4 (5/32)	1/8	.216(5.5)	1.338(34)	.787(20)	.354(9)	.511(13)
89210-53-04	4 (5/32)	1/4	.275(7)	1.338(34)	.846(21.5)	.354(9)	.59(15)
57210-6-1/8	6	1/8	.216(5.5)	1.653(42)	.866(22)	.433(11)	.511(13)
57210-6-1/4	6	1/4	.275(7)	1.653(42)	.925(23.5)	.433(11)	.59(15)
89210-05-02	8 (5/16)	1/8	.216(5.5)	1.771(45)	.216(5.5)	.511(13)	.511(13)
89210-05-04	8 (5/16)	1/4	.275(7)	1.771(45)	.216(5.5)	.511(13)	.59(15)
89210-05-06	8 (5/16)	3/8	.295(7.5)	1.771(45)	1.023(26)	.511(13)	.669(17)
57210-10-1/4	10	1/4	.275(7)	2.086(53)	1.141(29)	.551(14)	.629(16)
57210-10-3/8	10	3/8	.295(7.5)	2.086(53)	1.062(27)	.551(14)	.669(17)
57210-10-1/2	10	1/2	.354(9)	2.086(53)	1.161(29.5)	.551(14)	.826(21)
57210-12-3/8	12	3/8	.295(7.5)	2.46(62.5)	1.161(29.5)	.629(16)	.787(20)
57210-12-1/2	12	1/2	.354(9)	2.46(62.5)	1.259(32)	.629(16)	.826(21)



SWIVEL RUN TEE



	Part No.	TUBE	A SWIFT	B	L1	L2	CH1	CH2
	89222-53-02	4 (5/32)	1/8	.216(5.5)	.669(17)	.787(20)	.354(9)	.511(13)
	89222-53-04	4 (5/32)	1/4	.275(7)	.669(17)	.846(21.5)	.354(9)	.59(15)
	57222-6-1/8	6	1/8	.216(5.5)	.826(21)	.866(22)	.433(11)	.511(13)
	57222-6-1/4	6	1/4	.275(7)	.826(21)	.925(23.5)	.433(11)	.59(15)
	89222-05-02	8 (5/16)	1/8	.216(5.5)	.885(22.5)	.944(24)	.511(13)	.511(13)
	89222-05-04	8 (5/16)	1/4	.275(7)	.885(22.5)	.944(24)	.511(13)	.59(15)
	89222-05-06	8 (5/16)	3/8	.295(7.5)	.885(22.5)	1.062(27)	.511(13)	.669(17)
	57222-10-1/4	10	1/4	.275(7)	1.043(26.5)	1.023(26)	.551(14)	.629(16)
	57222-10-3/8	10	3/8	.295(7.5)	1.043(26.5)	1.023(26)	.551(14)	.669(17)
	57222-10-1/2	10	1/2	.354(9)	1.043(26.5)	1.122(28.5)	.551(14)	.826(21)
	57222-12-3/8	12	3/8	.295(7.5)	1.24(31.5)	1.161(29.5)	.629(16)	.787(20)
	57222-12-1/2	12	1/2	.354(9)	1.24(31.5)	1.259(32)	.629(16)	.826(21)

UNION TEE



	Part No.	TUBE	L1	L2	CH
	89230-53	4 (5/32)	1.338(34)	.669(17)	.354(9)
	57230-5	5	1.574(40)	.787(20)	.433(11)
	57230-6	6	1.653(42)	.826(21)	.433(11)
	89230-05	8(5/16)	1.771(45)	.885(22.5)	.511(13)
	57230-10	10	2.086(53)	1.043(26.5)	.629(16)
	57230-12	12	2.401(61)	1.2(3.5)	.748(19)
	57230-14	14	2.578(65.5)	1.279(32.5)	.748(19)

UNION TEE



	Part No.	TUBE	A	L	CH
	89310-53	4(5/32)	.433(11)	1.259(32)	.433(11)
	57310-5	5	.531(13.5)	1.377(35)	.511(13)
	57310-6	6	.531(13.5)	1.437(36.5)	.511(13)
	89310-05	8(5/16)	.61(15.5)	1.614(41)	.59(15)
	57310-10	10	.728(18.5)	1.889(48)	.708(18)

REDUCER



Part No.	A	B	L
57700-5-4	5	4 (5/32)	1.141(29)
57700-6-4	6	4 (5/32)	1.181(30)
57700-6-5	6	5	1.259(32)
89700-05-53	8 (5/16)	4 (5/32)	1.299(33)
57700-8-6	8 (5/16)	6	1.338(34)
57700-10-4	10	4 (5/32)	1.259(32)
57700-10-8	10	8 (5/16)	1.496(38)
57700-12-8	12	8 (5/16)	1.535(39)
57700-12-10	12	10	1.692(43)

STRAIGHT MALE



Part No.	Tube	A SWIFT	B	L	CH1	CH2
50000N-4-1/8	4	1/8	.214 (5.5)	.702 (18)	.429 (11)	.117 (3)
50000N-4-1/4	4	1/4	.273 (7)	.760 (19.5)	.546 (14)	.117 (3)
50000N-5-1/8	5	1/8	.214 (5.5)	.780 (20)	.429 (11)	.156 (4)
50000N-5-1/4	5	1/4	.273 (7)	.780 (20)	.546 (14)	.156 (4)
50000N-6-1/8	6	1/8	.273 (7)	.780 (20)	.511 (13)	.156 (4)
50000N-6-1/4	6	1/4	.273 (7)	.819 (21)	.546 (14)	.156 (4)
50000N-8-1/8	8	1/8	.214 (5.5)	.955 (24.5)	.546 (14)	.195 (5)
50000N-8-1/4	8	1/4	.273 (7)	.858 (22)	.546 (14)	.236 (6)
50000N-8-3/8	8	3/8	.292 (7.5)	.897 (23)	.663 (17)	.234 (6)
50000N-8-1/2	8	1/2	.354 (9)	.897 (23)	.826 (21)	.234 (6)
50000N-10-1/4	10	1/4	.273 (7)	1.092 (28)	.663 (17)	.273 (7)
50000N-10-3/8	10	3/8	.273 (7)	1.092 (28)	.663 (17)	.314 (8)
50000N-10-1/2	10	1/2	.354 (9)	1.014 (26)	.826 (21)	.312 (8)
50000N-12-1/4	12	1/4	.273 (7)	1.267 (32.5)	.780 (20)	.273 (7)
50000N-12-3/8	12	3/8	.273 (7)	1.267 (32.5)	.780 (20)	.354 (9)
50000N-12-1/2	12	1/2	.354 (9)	1.209 (31)	.826 (21)	.393 (10)
50000N-14-3/8	14	3/8	.292 (7.5)	1.287 (33)	.826 (21)	.354 (9)
50000N-14-1/2	14	1/2	.351 (9)	1.248 (32)	.826 (21)	.393 (10)

STRAIGHT MALE WITH INTERNAL HEX



	Part No.	Tube	A SWIFT	B	L	CH
	50010N-3-M5	3	M5	.156 (4)	.312 (8)	.314 (8)
50010N-4-M5	4	M5	.156 (4)	.390 (10)	.393 (10)	
50010N-4-1/8	4	1/8	.214 (5.5)	.429 (11)	.393 (10)	
50010N-6-M5	6	M5	.156 (4)	.468 (12)	.511 (13)	
50010N-6-1/8	6	1/8	.214 (5.5)	.468 (12)	.511 (13)	
50010N-6-1/4	6	1/4	.273 (7)	.546 (14)	.511 (13)	
50010N-8-1/8	8	1/8	.214 (5.5)	.546 (14)	.551 (14)	
50010N-8-1/4	8	1/4	.273 (7)	.546 (14)	.551 (14)	

STRAIGHT FEMALE

BSPP THREAD



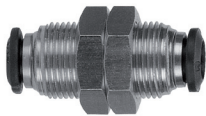
	Part No.	Tube	A	B	L	CH
	50030N-3-M5	3	M5	.216 (5.5)	.728 (18.5)	.354 (9)
50030N-4-M5	4	M5	.216 (5.5)	.826 (21)	.433 (11)	
50030N-4-1/8	4	1/8	.334 (8.5)	.944 (24)	.511 (13)	
50030N-4-1/4	4	1/4	.433 (11)	1.082 (27.5)	.629 (16)	
50030N-5-1/8	5	1/8	.334 (8.5)	1.043 (26.5)	.511 (13)	
50030N-6-1/8	6	1/8	.334 (8.5)	1.023 (26)	.511 (13)	
50030N-6-1/4	6	1/4	.433 (11)	1.161 (29.5)	.629 (16)	
50030N-8-1/8	8	1/8	.334 (8.5)	1.062 (27)	.590 (15)	
50030N-8-1/4	8	1/4	.433 (11)	1.161 (29.5)	.669 (17)	
50030N-8-3/8	8	3/8	.472 (12)	1.259 (32)	.748 (19)	
50030N-10-1/4	10	1/4	.433 (11)	1.259 (32)	.708 (18)	
50030N-10-3/8	10	3/8	.472 (12)	1.318 (33.5)	.748 (19)	
50030N-10-1/2	10	1/2	.590 (15)	1.535 (39)	.944 (24)	
50030N-12-3/8	12	3/8	.472 (12)	1.417 (36)	.826 (21)	
50030N-12-1/2	12	1/2	.590 (15)	1.614 (41)	.944 (24)	

UNION



	L		B		
	Part No.	Tube	Tube	L	B
	50040N-3	3		1.014 (26)	.334 (8.5)
	50040N-4	4		1.190 (30.5)	.413 (10.5)
	50040N-5	5		1.287 (33)	.452 (11.5)
	50040N-6-4	6	4	1.248 (32)	.492 (12.5)
	50040N-6	6		1.326 (34)	.492 (12.5)
	50040N-8-6	8	6	1.365 (35)	.570 (14.5)
	50040N-8	8		1.404 (36)	.570 (14.5)
	50040N-10-8	10	8	1.638 (42)	.688 (17.5)
	50040N-10	10		1.638 (42)	.688 (17.5)
	50040N-12-10	12	10	1.833 (47)	.807 (20.5)
	50040N-12	12		1.833 (47)	.807 (20.5)
	50040N-14	14		1.911 (49)	.846 (21.5)

BULKHEAD UNION

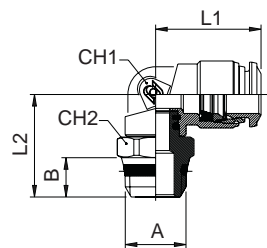


	L		CH		Amax	
	Part No.	Tube	M	L	CH	Amax
	50050N-3	3	M10X1	1.014 (26)	.546 (14)	.195 (5)
	50050N-4	4	M12X1	1.229 (31.5)	.663 (17)	.273 (7)
	50050N-5	5	M14X1	1.287 (33)	.663 (17)	.273 (7)
	50050N-6	6	M14X1	1.365 (35)	.663 (17)	.371 (9.5)
	50050N-8	8	M16X1	1.443 (37)	.741 (19)	.410 (10.5)
	50050N-10	10	M20X1	1.677 (43)	.936 (24)	.488 (12.5)
	50050N-12	12	M22X1	1.872 (48)	1.014 (26)	.644 (16.5)

SWIVEL MALE ELBOW



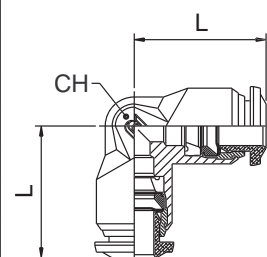
Part No.	Tube	A SWIFT	B	L1	L2	CH1	CH2
50110N-4-1/8	4	1/8	.216 (5.5)	.709 (18)	.768 (19.5)	.354 (9)	.511 (13)
50110N-4-1/4	4	1/4	.276 (7)	.709 (18)	.827 (21)	.354 (9)	.591 (15)
50110N-5-1/8	5	1/8	.216 (5.5)	.787 (20)	.856 (21.5)	.433 (11)	.511 (13)
50110N-6-1/8	6	1/8	.216 (5.5)	.831 (21)	.856 (21.5)	.433 (11)	.511 (13)
50110N-6-1/4	6	1/4	.276 (7)	.831 (21)	.906 (23)	.433 (11)	.591 (15)
50110N-8-1/8	8	1/8	.216 (5.5)	.882 (22.5)	.886 (22.5)	.472 (12)	.511 (13)
50110N-8-1/4	8	1/4	.276 (7)	.882 (22.5)	.886 (22.5)	.472 (12)	.591 (15)
50110N-8-3/8	8	3/8	.295 (7.5)	.882 (22.5)	.906 (23)	.472 (12)	.669 (17)
50110N-8-1/2	8	1/2	.374 (9)	.882 (22.5)	1.004 (25.5)	.472 (12)	.831 (21)
50110N-10-1/4	10	1/4	.276 (7)	1.051 (26.5)	1.043 (26.5)	.551 (14)	.669 (17)
50110N-10-3/8	10	3/8	.295 (7.5)	1.051 (26.5)	.965 (24.5)	.551 (14)	.669 (17)
50110N-10-1/2	10	1/2	.374 (9)	1.051 (26.5)	1.063 (27)	.551 (14)	.787 (20)
50110N-12-3/8	12	3/8	.295 (7.5)	1.240 (31.5)	1.043 (26.5)	.630 (16)	.787 (20)
50110N-12-1/2	12	1/2	.374 (9)	1.240 (31.5)	1.142 (29)	.630 (16)	.827 (21)
50110N-14-3/8	14	3/8	.295 (7.5)	1.240 (31.5)	1.063 (27)	.630 (16)	.787 (20)
50110N-14-1/2	14	1/2	.374 (9)	1.240 (31.5)	1.161 (29.5)	.630 (16)	.827 (21)



UNION ELBOW



Part No.	Tube	L	CH
50130N-3	3	.663 (17)	.351 (9)
50130N-4	4	.663 (17)	.351 (9)
50130N-5	5	.780 (20)	.429 (11)
50130N-6	6	.780 (20)	.429 (11)
50130N-8	8	.878 (22.5)	.507 (13)
50130N-10	10	1.034 (26.5)	.624 (16)
50130N-12	12	1.190 (30.5)	.741 (19)
50130N-14	14	1.268 (32.5)	.741 (19)



SWIVEL MALE BRANCH TEE

SWIFT-FIT
Metric Tube



	Part No.	Tube	A SWIFT	B	L1	L2	CH1	CH2
	50210N-4-1/8	4	1/8	.216 (5.5)	1.338 (34)	.787 (20)	.354 (9)	.511 (13)
	50210N-4-1/4	4	1/4	.276 (7)	1.338 (34)	.846 (21.5)	.354 (9)	.591 (15)
	50210N-5-1/8	5	1/8	.216 (5.5)	1.574 (40)	.866 (22)	.433 (11)	.511 (13)
	50210N-6-1/8	6	1/8	.216 (5.5)	1.653 (42)	.866 (22)	.433 (11)	.511 (13)
	50210N-6-1/4	6	1/4	.276 (7)	1.653 (42)	.925 (23.5)	.433 (11)	.591 (15)
	50210N-8-1/8	8	1/8	.216 (5.5)	1.772 (45)	1.004 (25.5)	.472 (12)	.511 (13)
	50210N-8-1/4	8	1/4	.276 (7)	1.772 (45)	1.004 (25.5)	.472 (12)	.591 (15)
	50210N-8-3/8	8	3/8	.295 (7.5)	1.772 (45)	1.023 (26)	.472 (12)	.669 (17)
	50210N-8-1/2	8	1/2	.374 (9)	1.772 (45)	1.122 (28.5)	.472 (12)	.831 (21)
	50210N-10-1/4	10	1/4	.276 (7)	2.087 (53)	1.142 (29)	.551 (14)	.669 (17)
	50210N-10-3/8	10	3/8	.295 (7.5)	2.087 (53)	1.063 (27)	.551 (14)	.669 (17)
	50210N-10-1/2	10	1/2	.374 (9)	2.087 (53)	1.122 (29.5)	.551 (14)	.787 (20)
	50210N-12-3/8	12	3/8	.295 (7.5)	2.461 (62.6)	1.122 (29.5)	.630 (16)	.787 (20)
	50210N-12-1/2	12	1/2	.374 (9)	2.461 (62.6)	1.260 (32)	.630 (16)	.827 (21)
	50210N-14-3/8	14	3/8	.295 (7.5)	2.461 (62.6)	1.122 (29.5)	.630 (16)	.787 (20)
	50210N-14-1/2	14	1/2	.374 (9)	2.461 (62.6)	1.260 (32)	.630 (16)	.827 (21)

SWIVEL RUN TEE

SWIFT-FIT
Metric Tube

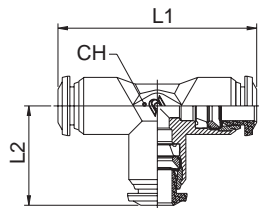


	Part No.	Tube	A SWIFT	B	L1	L2	CH1	CH2
	50222N-4-1/8	4	1/8	.216 (5.5)	.551 (14)	.787 (20)	.354 (9)	.511 (13)
	50222N-4-1/4	4	1/4	.276 (7)	.846 (21.5)	.846 (21.5)	.354 (9)	.591 (15)
	50222N-5-1/8	5	1/8	.216 (5.5)	.787 (20)	.866 (22)	.433 (11)	.511 (13)
	50222N-6-1/8	6	1/8	.216 (5.5)	.827 (21)	.866 (22)	.433 (11)	.511 (13)
	50222N-6-1/4	6	1/4	.276 (7)	.827 (21)	.925 (23.5)	.433 (11)	.591 (15)
	50222N-8-1/8	8	1/8	.216 (5.5)	.886 (22.5)	.945 (24)	.472 (12)	.511 (13)
	50222N-8-1/4	8	1/4	.276 (7)	.886 (22.5)	.945 (24)	.472 (12)	.591 (15)
	50222N-8-3/8	8	3/8	.295 (7.5)	.886 (22.5)	1.063 (27)	.472 (12)	.669 (17)
	50222N-8-1/2	8	1/2	.374 (9)	.886 (22.5)	1.063 (27)	.472 (12)	.831 (21)
	50222N-10-1/4	10	1/4	.276 (7)	1.043 (26.5)	1.023 (26)	.551 (14)	.669 (17)
	50222N-10-3/8	10	3/8	.295 (7.5)	1.043 (26.5)	1.023 (26)	.551 (14)	.669 (17)
	50222N-10-1/2	10	1/2	.374 (9)	1.043 (26.5)	1.122 (28.5)	.551 (14)	.787 (20)
	50222N-12-3/8	12	3/8	.295 (7.5)	1.240 (31.5)	1.161 (29.5)	.630 (16)	.787 (20)
	50222N-12-1/2	12	1/2	.374 (9)	1.240 (31.5)	1.260 (32)	.630 (16)	.827 (21)

UNION TEE



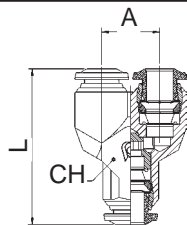
Part No.	Tube	Dimensions		
		L1	L2	CH
50230N-3	3	1.326 (34)	.663 (17)	.351 (9)
50230N-4	4	1.326 (34)	.663 (17)	.351 (9)
50230N-5	5	1.560 (40)	.780 (20)	.429 (11)
50230N-6	6	1.638 (42)	.819 (21)	.429 (11)
50230N-8	8	1.755 (45)	.878 (22.5)	.507 (13)
50230N-10	10	2.067 (53)	1.034 (26.5)	.624 (16)
50230N-12	12	2.379 (61)	1.190 (30.5)	.741 (19)
50230N-14	14	2.379 (61)	2.535 (65)	.741 (19)



UNION Y



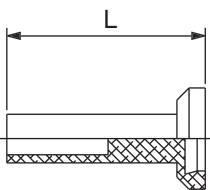
Part No.	Tube	Dimensions		
		A	L	CH
50310N-3	3	.390 (10)	1.131 (29)	.433 (11)
50310N-4	4	.429 (11)	1.248 (32)	.433 (11)
50310N-5	5	.527 (13.5)	1.365 (35)	.511 (13)
50310N-6	6	.527 (13.5)	1.424 (36.5)	.511 (13)
50310N-8	8	.605 (15.5)	1.599 (41)	.590 (15)
50310N-10	10	.728 (18.5)	1.890 (48)	.709 (18)



PLUG



Part No.	Tube	L
8610 - 4	4	.925 (23.5)
8610 - 5	5	.964 (24.5)
8610 - 6	6	.964 (24.5)
8610 - 8	8	1.023 (26)
8610 - 10	10	1.122 (28.5)
8610 - 12	12	1.122 (28.5)
8610 - 14	14	1.122 (28.5)



REDUCER



	Part No.	A	B	L
	50700N-4-3	4	3	1.053 (27)
	50700N-5-4	5	4	1.131 (29)
	50700N-6-4	6	4	1.170 (30)
	50700N-6-5	6	5	1.248 (32)
	50700N-8-6	8	6	1.326 (34)
	50700N-10-8	10	8	1.482 (38)
	50700N-12-8	12	8	1.521 (39)



Premium Air Distribution System

Air distribution simplified. No more heavy corrosive iron pipe to run air. The Infinity Air Distribution is a Push-To-Connect system assembled to aluminum tube. Infinity is a modular system suitable for use in OEM applications to piping an entire manufacturing facility.



SWIFT-FIT

Fitting Kits



50860N-4

4mm Tube Fitting Kit

Part No.	Description	Qty
50000N-4-1/8	Straight 4mm Tube x 1/8 Male	5
50000N-4-1/4	Straight 4mm Tube x 1/4 Male	5
50110N-4-1/8	Swivel Elbow 4mm Tube x 1/8 Male	5
50110N-4-1/4	Swivel Elbow 4mm Tube x 1/4 Male	5
50210N-4-1/8	Branch Tee 4mm Tube x 1/8 Male	5
50210N-4-1/4	Branch Tee 4mm Tube x 1/4 Male	5
50222N-4-1/8	Run Tee 4mm Tube x 1/8 Male	5
50222N-4-1/4	Run Tee 4mm Tube x 1/4 Male	5
50040N-4	Union 4mm Tube	5
50050N-4	Bulkhead Union 4mm Tube	5
50130N-4	Union Elbow 4mm Tube	5
50230N-4	Union Tee 4mm Tube	5

50860N-6

6mm Tube Fitting Kit

Part No.	Description	Qty
50000N-6-1/8	Straight 6mm Tube x 1/8 Male	5
50000N-6-1/4	Straight 6mm Tube x 1/4 Male	5
50110N-6-1/8	Swivel Elbow 6mm Tube x 1/8 Male	5
50110N-6-1/4	Swivel Elbow 6mm Tube x 1/4 Male	5
50210N-6-1/8	Branch Tee 6mm Tube x 1/8 Male	5
50210N-6-1/4	Branch Tee 6mm Tube x 1/4 Male	5
50222N-6-1/8	Run Tee 6mm Tube x 1/8 Male	5
50222N-6-1/4	Run Tee 6mm Tube x 1/4 Male	5
50040N-6	Union 6mm Tube	5
50050N-6	Bulkhead Union 6mm Tube	5
50130N-6	Union Elbow 6mm Tube	5
50230N-6	Union Tee 6mm Tube	5

50860N-8

8mm Tube Fitting Kit

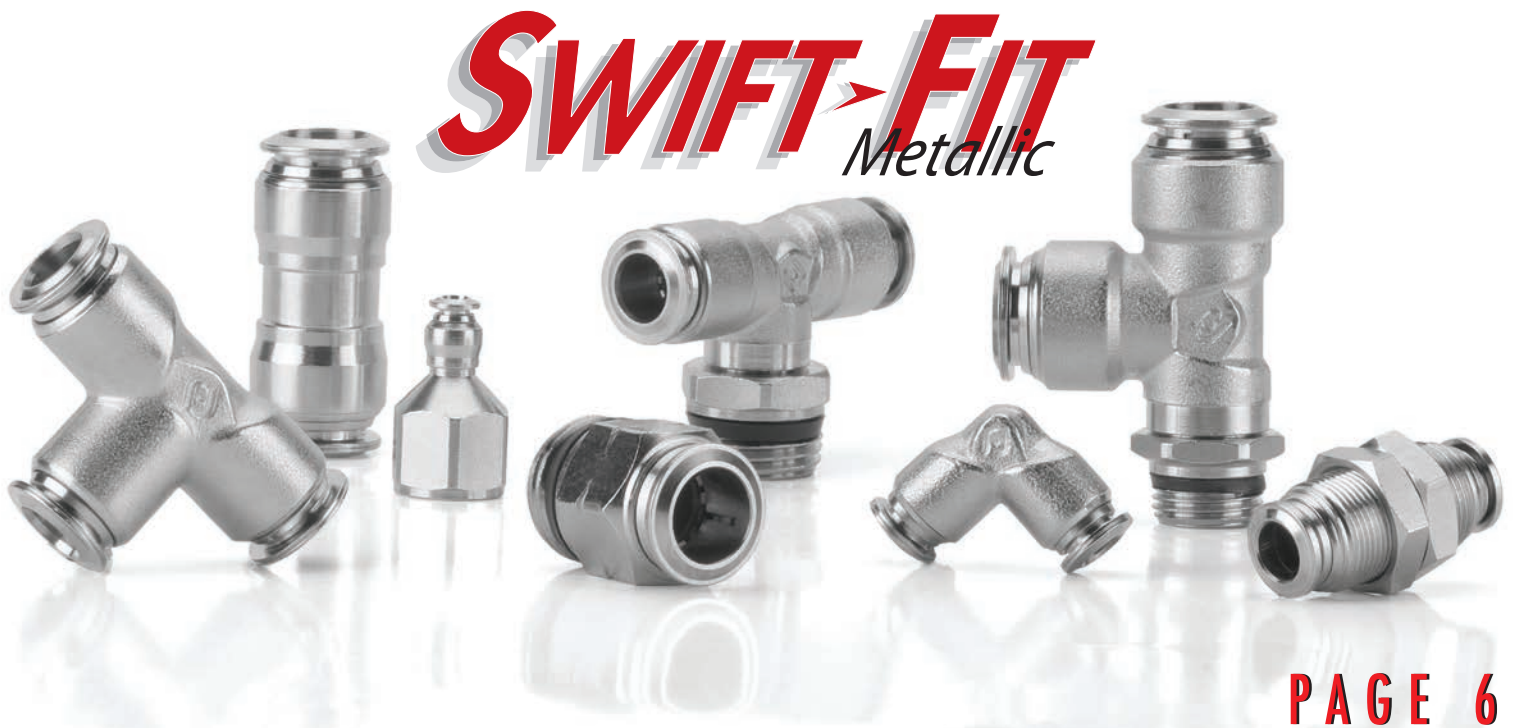
Part No.	Description	Qty
50000N-8-1/8	Straight 8mm Tube x 1/8 Male	5
50000N-8-1/4	Straight 8mm Tube x 1/4 Male	5
50000N-8-3/8	Straight 8mm Tube x 3/8 Male	5
50110N-8-1/8	Swivel Elbow 8mm Tube x 1/8 Male	5
50110N-8-1/4	Swivel Elbow 8mm Tube x 1/4 Male	5
50110N-8-3/8	Swivel Elbow 8mm Tube x 3/8 Male	5
50210N-8-1/8	Branch Tee 8mm Tube x 1/8 Male	5
50210N-8-1/4	Branch Tee 8mm Tube x 1/4 Male	5
50040N-8	Union 8mm Tube	5
50050N-8	Bulkhead Union 8mm Tube	5
50130N-8	Union Elbow 8mm Tube	5
50230N-8	Union Tee 8mm Tube	5

50860N-10 10mm Tube Fitting Kit

Part No.	Description	Qty
50000N-10-1/4	Straight 10mm Tube x 1/4 Male	3
50000N-10-3/8	Straight 10mm Tube x 3/8 Male	3
50110N-10-1/4	Swivel Elbow 10mm Tube x 1/4 Male	3
50110N-10-3/8	Swivel Elbow 10mm Tube x 3/8 Male	3
50210N-10-1/4	Branch Tee 10mm Tube x 1/4 Male	3
50210N-10-3/8	Branch Tee 10mm Tube x 3/8 Male	3
50222N-10-1/4	Run Tee 10mm Tube x 1/4 Male	3
50222N-10-3/8	Run Tee 10mm Tube x 3/8 Male	3
50040N-10	Union 10mm Tube	3
50050N-10	Bulkhead Union 10mm Tube	3
50130N-10	Union Elbow 10mm Tube	3
50230N-10	Union Tee 10mm Tube	3

50860N-12 12mm Tube Fitting Kit

Part No.	Description	Qty
50000N-12-3/8	Straight 12mm Tube x 3/8 Male	3
50000N-12-1/2	Straight 12mm Tube x 1/2 Male	3
50110N-12-3/8	Swivel Elbow 12mm Tube x 3/8 Male	3
50110N-12-1/2	Swivel Elbow 12mm Tube x 1/2 Male	3
50210N-12-3/8	Branch Tee 12mm Tube x 3/8 Male	3
50210N-12-1/2	Branch Tee 12mm Tube x 1/2 Male	3
50222N-12-3/8	Run Tee 12mm Tube x 3/8 Male	3
50222N-12-1/2	Run Tee 12mm Tube x 1/2 Male	3
50040N-12	Union 12mm Tube	3
50050N-12	Bulkhead Union 12mm Tube	3
50130N-12	Union Elbow 12mm Tube	3
50230N-12	Union Tee 12mm Tube	3





PUSH-FIT
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STRAIGHT MALE

NPTF THREAD



	Part No.	Tube	A NPTF	B	L	CH	
						CH1	CH2
	88000-02-02	1/8	1/8	.335 (8.5)	.768 (19.5)	.433 (11)	.079 (2)
	88000-02-04	1/8	1/4	.512 (13)	.965 (24.5)	.551 (14)	.079 (2)
	88000-53-02	5/32	1/8	.335 (8.5)	.826 (21)	.433 (11)	.118 (3)
	88000-53-04	5/32	1/4	.512 (13)	.984 (25)	.551 (14)	.118 (3)
	88000-04-02	1/4	1/8	.335 (8.5)	1.023 (26)	.512 (13)	.157 (4)
	88000-04-04	1/4	1/4	.512 (13)	1.062 (27)	.551 (14)	.157 (4)
	88000-04-06	1/4	3/8	.512 (13)	1.141 (29)	.709 (18)	.157 (4)
	88000-05-02	5/16	1/8	.335 (8.5)	1.062 (27)	.551 (14)	.197 (5)
	88000-05-04	5/16	1/4	.512 (13)	1.082 (27.5)	.551 (14)	.236 (6)
	88000-05-06	5/16	3/8	.512 (13)	1.082 (27.5)	.709 (18)	.236 (6)
	88000-06-02	3/8	1/8	.335 (8.5)	1.259 (32)	.669 (17)	.197 (5)
	88000-06-04	3/8	1/4	.512 (13)	1.319 (33.5)	.669 (17)	.276 (7)
	88000-06-06	3/8	3/8	.512 (13)	1.319 (33.5)	.709 (18)	.276 (7)
	88000-06-08	3/8	1/2	.669 (17)	1.319 (33.5)	.866 (22)	.276 (7)
	88000-08-04	1/2	1/4	.512 (13)	1.535 (39)	.787 (20)	.197 (5)
	88000-08-06	1/2	3/8	.512 (13)	1.417 (36)	.787 (20)	.354 (9)
88000-08-08	1/2	1/2	.669 (17)	1.575 (40)	.866 (22)	.354 (9)	

MALE ELBOW

NPTF THREAD



	Part No.	Tube	A NPTF	B	L1	L2	CH
							CH1
	88100-04-02	1/4	1/8	.335 (8.5)	.846 (21.5)	.728 (18.5)	.433 (11)
	88100-04-04	1/4	1/4	.512 (13)	.846 (21.5)	.905 (23)	.433 (11)
	88100-06-04	3/8	1/4	.512 (103)	1.062 (27)	1.043 (26.5)	.630 (16)
	88100-06-06	3/8	3/8	.512 (13)	1.062 (27)	1.004 (25.5)	.688 (17)

SWIVEL MALE ELBOW

NPTF THREAD



	Part No.	Tube	A NPTF	B	L1	L2	CH1	CH2
	88110-02-02	1/8	1/8	.335 (8.5)	.669 (17)	.906 (23)	.354 (9)	.512 (13)
	88110-02-04	1/8	1/4	.512 (13)	.669 (17)	1.122 (28.5)	.354 (9)	.591 (15)
	88110-53-02	5/32	1/8	.335 (8.5)	.669 (17)	.906 (23)	.354 (9)	.512 (13)
	88110-53-04	5/32	1/4	.512 (13)	.669 (17)	1.181 (30)	.354 (9)	.591 (15)
	88110-04-02	1/4	1/8	.335 (8.5)	.827 (21)	1.023 (26)	.433 (11)	.512 (13)
	88110-04-04	1/4	1/4	.512 (13)	.827 (21)	1.220 (31)	.433 (11)	.591 (15)
	88110-04-06	1/4	3/8	.512 (13)	.827 (21)	1.280 (32.5)	.433 (11)	.709 (18)
	88110-05-02	5/16	1/8	.335 (8.5)	.886 (22.5)	1.043 (26.5)	.512 (13)	.512 (13)
	88110-05-04	5/16	1/4	.512 (13)	.886 (22.5)	1.260 (32)	.512 (13)	.591 (15)
	88110-05-06	5/16	3/8	.512 (13)	.886 (22.5)	1.280 (32.5)	.512 (13)	.709 (18)
	88110-06-02	3/8	1/8	.335 (8.5)	1.043 (26.5)	1.181 (30)	.630 (16)	.512 (13)
	88110-06-04	3/8	1/4	.512 (13)	1.102 (28)	1.337 (35)	.630 (16)	.591 (15)
	88110-06-06	3/8	3/8	.512 (13)	1.023 (26)	1.358 (34.5)	.630 (16)	.709 (18)
	88110-06-08	3/8	1/2	.669 (17)	1.043 (26.5)	1.614 (41)	.630 (16)	.866 (22)
	88110-08-04	1/2	1/4	.512 (13)	1.201 (30.5)	1.555 (39.5)	.748 (19)	.591 (15)
	88110-08-06	1/2	3/8	.512 (13)	1.201 (30.5)	1.476 (37.5)	.748 (19)	.709 (18)
88110-08-08	1/2	1/2	.669 (17)	1.201 (30.5)	1.732 (44)	.748 (19)	.866 (22)	

SWIVEL MALE BRANCH TEE

NPTF THREAD



	Part No.	Tube	A NPTF	B	L1	L2	CH1	CH2
	88210-02-02	1/8	1/8	.295 (7.5)	1.299 (33)	.906 (23)	.354 (9)	.512 (13)
	88210-02-04	1/8	1/4	.512 (13)	1.299 (33)	1.122 (28.5)	.354 (9)	.591 (15)
	88210-53-02	5/32	1/8	.295 (7.5)	1.299 (33)	.906 (23)	.354 (9)	.512 (13)
	88210-53-04	5/32	1/4	.512 (13)	1.299 (33)	1.181 (30)	.354 (9)	.591 (15)
	88210-04-02	1/4	1/8	.295 (7.5)	1.654 (42)	1.023 (26)	.433 (11)	.512 (13)
	88210-04-04	1/4	1/4	.512 (13)	1.654 (42)	1.220 (31)	.433 (11)	.591 (15)
	88210-06-04	3/8	1/4	.512 (13)	2.087 (53)	1.337 (35)	.630 (16)	.591 (15)
	88210-06-06	3/8	3/8	.512 (13)	2.087 (53)	1.358 (34.5)	.630 (16)	.709 (18)
	88210-06-08	3/8	1/2	.669 (17)	2.087 (53)	1.614 (41)	.630 (16)	.866 (22)
	88210-08-04	1/2	1/4	.512 (13)	2.402 (61)	1.555 (39.5)	.748 (19)	.591 (15)
	88210-08-06	1/2	3/8	.512 (13)	2.402 (61)	1.476 (37.5)	.748 (19)	.709 (18)
	88210-08-08	1/2	1/2	.669 (17)	2.402 (61)	1.732 (44)	.748 (19)	.866 (22)

SWIVEL MALE RUN TEE

NPTF THREAD



	Part No.	Tube	A NPTF	B	L1	L2	CH1	CH2
	88222-02-02	1/8	1/8	.295 (7.5)	.669 (17)	.906 (23)	.354 (9)	.512 (13)
	88222-02-04	1/8	1/4	.511 (13)	.669 (17)	1.181 (30)	.354 (9)	.591 (15)
	88222-53-02	5/32	1/8	.295 (7.5)	.669 (17)	.906 (23)	.354 (9)	.512 (13)
	88222-04-02	1/4	1/8	.295 (7.5)	.827 (21)	.984 (25)	.433 (11)	.512 (13)
	88222-04-04	1/4	1/4	.511 (13)	.827 (21)	1.220 (31)	.433 (11)	.591 (15)
	88222-06-04	3/8	1/4	.511 (13)	1.043 (26.5)	1.339 (34)	.630 (16)	.591 (15)
	88222-06-06	3/8	3/8	.511 (13)	1.043 (26.5)	1.358 (34.5)	.630 (16)	.709 (18)
	88222-06-08	3/8	1/2	.669 (17)	1.043 (26.5)	1.614 (41)	.630 (16)	.866 (22)
	88222-08-04	1/2	1/4	.512 (13)	1.201 (30.5)	1.476 (37.5)	.748 (19)	.591 (15)
	88222-08-06	1/2	3/8	.511 (13)	1.201 (30.5)	1.476 (37.5)	.748 (19)	.709 (18)
	88222-08-08	1/2	1/2	.669 (17)	1.2001 (30.5)	1.732 (44)	.748 (19)	.866 (22)

CARTRIDGE FITTING



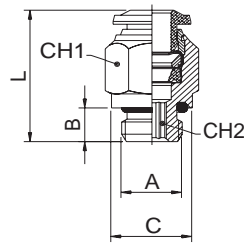
	Part No.	Tube	H1	H2	D
	88800-02	1/8	.386 (10)	.280 (7)	.280 (7)
	88800-53	5/32	.445 (11.5)	.323 (8)	.338 (8.5)
	88800-04	1/4	.520 (13)	.374 (9.5)	.413 (10.5)
	88800-05	5/16	.508 (13)	.374 (9.5)	.492 (12.5)
	88800-06	3/8	.625 (16)	.472 (12)	.642 (16)
	88800-08	1/2	.713 (18)	.543 (14)	.740 (19)

- CHECK VALVE
- SLIDE VALVE
- QUICK EXHUAUST
- INLINE FILTER
- PIPE FITTING



STRAIGHT MALE

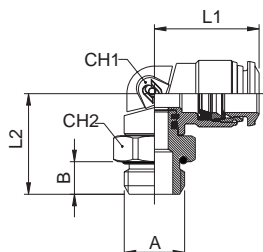
BSPP THREAD



Part No.	Tube	A	B	C	L	CH1	CH2
50020N-3-M5	3	M5	.156 (4)	.312 (8)	.741 (19)	.312 (8)	.078 (2)
50020N-4-M5	4	M5	.156 (4)	.312 (8)	.819 (21)	.390 (10)	.078 (2)
50020N-4-1/8	4	1/8	.234 (6)	.507 (13)	.780 (20)	.390 (10)	.117 (3)
50020N-4-1/4	4	1/4	.312 (8)	.624 (16)	.761 (19.5)	.624 (16)	.117 (3)
50020N-5-M5	5	M5	.156 (4)	.312 (8)	.917 (23.5)	.468 (12)	.078 (2)
50020N-5-1/8	5	1/8	.234 (6)	.507 (13)	.858 (22)	.468 (12)	.156 (4)
50020N-6-M5	6	M5	.156 (4)	.390 (10)	.956 (24.5)	.507 (13)	.078 (2)
50020N-6-1/8	6	1/8	.234 (6)	.507 (13)	.917 (23.5)	.507 (13)	.156 (4)
50020N-6-1/4	6	1/4	.312 (8)	.624 (16)	.917 (23.5)	.507 (13)	.156 (4)
50020N-6-1/4	6	1/4	.312 (8)	.624 (16)	.917 (23.5)	.507 (13)	.156 (4)
50020N-8-1/8	8	1/8	.234 (6)	.507 (13)	.975 (25)	.546 (14)	.195 (5)
50020N-8-1/4	8	1/4	.312 (8)	.624 (16)	.897 (23)	.546 (14)	.234 (6)
50020N-8-3/8	8	3/8	.351 (9)	.780 (20)	.975 (25)	.546 (14)	.234 (6)
50020N-10-1/4	10	1/4	.312 (8)	.624 (16)	1.190 (30.5)	.663 (17)	.234 (6)
50020N-10-3/8	10	3/8	.351 (9)	.780 (20)	1.073 (27.5)	.663 (17)	.312 (8)
50020N-12-3/8	12	3/8	.351 (9)	.780 (20)	1.326 (34)	.780 (20)	.312 (8)
50020N-12-1/2	12	1/2	.390 (10)	.975 (25)	1.209 (31)	.858 (22)	.390 (10)
50020N-14-3/8	14	3/8	.351 (9)	.780 (20)	1.365 (35)	.819 (21)	.390 (10)
50020N-14-1/2	14	1/2	.390 (10)	.975 (25)	1.248 (32)	.858 (22)	.390 (10)

SWIVEL MALE ELBOW

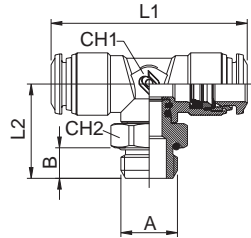
BSPP THREAD



Part No.	Tube	A	B	L1	L2	CH1	CH2
50115N-3-M5	3	M5	.138 (3.5)	.650 (16.5)	.689 (17.5)	.354 (9)	.314 (8)
50115N-4-M5	4	M5	.138 (3.5)	.709 (18)	.689 (17.5)	.354 (9)	.314 (8)
50115N-4-1/8	4	1/8	.216 (5.5)	.709 (18)	.709 (18)	.354 (9)	.511 (13)
50115N-4-1/4	4	1/4	.276 (7)	.709 (18)	.787 (20)	.354 (9)	.630 (16)
50115N-5-M5	5	M5	.138 (3.5)	.787 (20)	.787 (20)	.433 (11)	.433 (11)
50115N-5-1/8	5	1/8	.216 (5.5)	.787 (20)	.787 (20)	.433 (11)	.511 (13)
50115N-6-M5	6	M5	.138 (3.5)	.827 (21)	.787 (20)	.433 (11)	.433 (11)
50115N-6-1/8	6	1/8	.216 (5.5)	.827 (21)	.787 (20)	.433 (11)	.511 (13)
50115N-6-1/4	6	1/4	.276 (7)	.827 (21)	.846 (21.5)	.433 (11)	.630 (16)
50115N-8-1/8	8	1/8	.216 (5.5)	.886 (22.5)	.827 (21)	.472 (12)	.511 (13)
50115N-8-1/4	8	1/4	.276 (7)	.886 (22.5)	.846 (21.5)	.472 (12)	.630 (16)
50115N-8-3/8	8	3/8	.314 (8)	.886 (22.5)	.925 (23.5)	.472 (12)	.787 (20)
50115N-8-1/2	8	1/2	.375 (9.5)	.886 (22.5)	.984 (25)	.472 (12)	.984 (25)
50115N-10-1/4	10	1/4	.276 (7)	1.043 (26.5)	1.004 (25.5)	.551 (14)	.630 (16)
50115N-10-3/8	10	3/8	.314 (8)	1.043 (26.5)	.984 (25)	.551 (14)	.787 (20)
50115N-10-1/2	10	1/2	.375 (9.5)	1.043 (26.5)	1.043 (26.5)	.551 (14)	.984 (25)
50115N-12-1/4	12	1/4	.314 (8)	1.240 (31.5)	1.083 (27.5)	.630 (16)	.787 (20)
50115N-12-3/8	12	3/8	.375 (9.5)	1.240 (31.5)	1.063 (27)	.630 (16)	.984 (25)
50115N-12-1/2	12	1/2	.314 (8)	1.240 (31.5)	1.122 (28.5)	.630 (16)	.787 (20)
50115N-14-3/8	14	3/8	.375 (9.5)	1.240 (31.5)	1.083 (27.5)	.630 (16)	.984 (25)
50115N-14-1/2	14	1/2	.276 (7)	.787 (20)	1.142 (29)	.433 (11)	.630 (16)

SWIVEL MALE BRANCH TEE

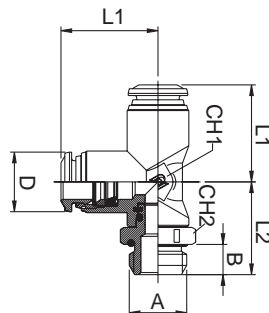
BSPP THREAD



Part No.	Tube	A	B	L1	L2	CH1	CH2
50215N-3-M5	3	M5	.138 (3.5)	1.299 (33)	.669 (17)	.354 (9)	.314 (8)
50215N-4-M5	4	M5	.138 (3.5)	1.338 (34)	.709 (18)	.354 (9)	.314 (8)
50215N-4-1/8	4	1/8	.216 (5.5)	1.338 (34)	.728 (18.5)	.354 (9)	.511 (13)
50215N-4-1/4	4	1/4	.276 (7)	1.338 (34)	.787 (20)	.354 (9)	.630 (16)
50215N-5-M5	5	M5	.138 (3.5)	1.574 (40)	.807 (20.5)	.433 (11)	.433 (11)
50215N-5-1/8	5	1/8	.216 (5.5)	1.574 (40)	.807 (20.5)	.433 (11)	.511 (13)
50215N-6-M5	6	M5	.138 (3.5)	1.653 (42)	.807 (20.5)	.433 (11)	.433 (11)
50215N-6-1/8	6	1/8	.216 (5.5)	1.653 (42)	.807 (20.5)	.433 (11)	.511 (13)
50215N-6-1/4	6	1/4	.276 (7)	1.653 (42)	.866 (22)	.433 (11)	.630 (16)
50215N-8-1/8	8	1/8	.216 (5.5)	1.771 (45)	.925 (23.5)	.472 (12)	.511 (13)
50215N-8-1/4	8	1/4	.276 (7)	1.771 (45)	.945 (24)	.472 (12)	.630 (16)
50215N-8-3/8	8	3/8	.314 (8)	1.771 (45)	1.023 (26)	.472 (12)	.787 (20)
50215N-8-1/2	8	1/2	.375 (9.5)	1.771 (45)	1.083 (27.5)	.472 (12)	.984 (25)
50215N-10-1/4	10	1/4	.276 (7)	1.771 (45)	1.083 (27.5)	.551 (14)	.630 (16)
50215N-10-3/8	10	3/8	.314 (8)	2.086 (53)	1.063 (27)	.551 (14)	.787 (20)
50215N-10-1/2	10	1/2	.375 (9.5)	2.086 (53)	1.122 (28.5)	.551 (14)	.984 (25)
50215N-12-3/8	12	3/8	.375 (9.5)	2.460 (62.5)	1.161 (29.5)	.630 (16)	.984 (25)
50215N-12-1/2	12	1/2	.314 (8)	2.460 (62.5)	1.220 (31)	.630 (16)	.787 (20)
50215N-14-3/8	14	3/8	.375 (9.5)	2.460 (62.5)	1.161 (29.5)	.630 (16)	.984 (25)
50215N-14-1/2	14	1/2	.375 (9.5)	2.460 (62.5)	1.220 (31)	.630 (16)	.984 (25)

SWIVEL MALE RUN TEE

BSPP THREAD



Part No.	Tube	A	B	L1	L2	CH1	CH2
50225N-3-M5	3	M5	.138 (3.5)	.649 (16.5)	.669 (17)	.354 (9)	.314 (8)
50225N-4-M5	4	M5	.138 (3.5)	.669 (17)	.709 (18)	.354 (9)	.314 (8)
50225N-4-1/8	4	1/8	.216 (5.5)	.669 (17)	.728 (18.5)	.354 (9)	.511 (13)
50225N-4-1/4	4	1/4	.276 (7)	.669 (17)	.787 (20)	.354 (9)	.630 (16)
50225N-5-M5	5	M5	.138 (3.5)	.787 (20)	.807 (20.5)	.433 (11)	.433 (11)
50225N-5-1/8	5	1/8	.216 (5.5)	.787 (20)	.807 (20.5)	.433 (11)	.511 (13)
50225N-6-M5	6	M5	.138 (3.5)	.827 (21)	.807 (20.5)	.433 (11)	.433 (11)
50225N-6-1/8	6	1/8	.216 (5.5)	.827 (21)	.807 (20.5)	.433 (11)	.511 (13)
50225N-6-1/4	6	1/4	.276 (7)	.827 (21)	.886 (22)	.433 (11)	.630 (16)
50225N-8-1/8	8	1/8	.216 (5.5)	.886 (22.5)	.886 (22.5)	.472 (12)	.511 (13)
50225N-8-1/4	8	1/4	.276 (7)	.886 (22.5)	.906 (23)	.472 (12)	.630 (16)
50225N-8-3/8	8	3/8	.314 (8)	.886 (22.5)	.984 (25)	.472 (12)	.787 (20)
50225N-8-1/2	8	1/2	.375 (9.5)	.886 (22.5)	1.043 (26.5)	.472 (12)	.984 (25)
50225N-10-1/4	10	1/4	.276 (7)	1.043 (26.5)	1.063 (27)	.551 (14)	.630 (16)
50225N-10-3/8	10	3/8	.314 (8)	1.043 (26.5)	1.043 (26.5)	.551 (14)	.787 (20)
50225N-10-1/2	10	1/2	.375 (9.5)	1.043 (26.5)	1.102 (28)	.551 (14)	.984 (25)
50225N-12-3/8	12	3/8	.375 (9.5)	1.240 (31.5)	1.142 (29.5)	.630 (16)	.984 (25)
50225N-12-1/2	12	1/2	.314 (8)	1.240 (31.5)	1.122 (31)	.630 (16)	.787 (20)



QUICK DISCONNECT
COUPLERS

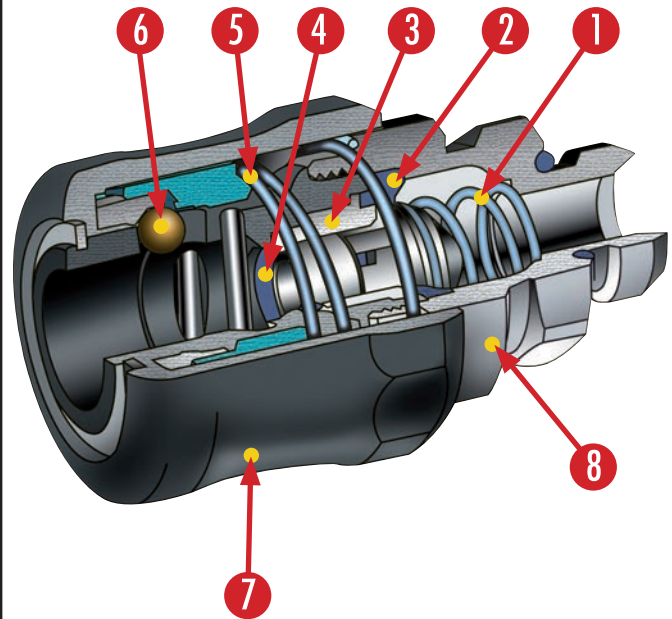
SAFETY COUPLER

Alpha's innovative one-step release and exhaust safety coupler quickly vents system pressure allowing for a safe disconnect. Corrosion resistant stainless steel internal components and nickel plated brass body insure long life and durability. The Alpha simple safety coupler is the most lightweight & compact safety coupler on the market.



COMPONENT SPECIFICATIONS

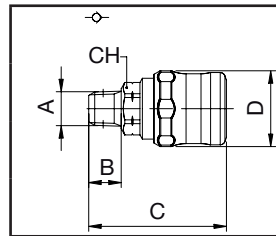
1. Shutter spring	Stainless steel
2. Seal	NBR 70
3. Ring	Nickel-plated brass
4. O-ring	NBR 70
5. Ring nut thrust spring	Stainless steel
6. Ball	Stainless steel
7. Sleeve	Technopolymer
8. Coupling body	Nickel-plated brass



Temperature rating	0 - 180° F
Media	Compressed air
Pressure rating	0 - 220 psi
Socket type	1/4" Industrial

MALE SAFETY COUPLER

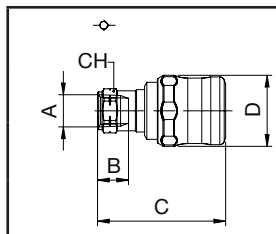
NPTF THREAD



Part No.	A	B	C	D	CH
80621-04	1/4	.512 (13)	2.173 (55)	1.200 (30.5)	.748 (19)
80621-06	3/8	.512 (13)	2.173 (55)	1.200 (30.5)	.748 (19)
80621-08	1/2	.669 (17)	2.322 (59)	1.200 (30.5)	.866 (22)

FEMALE SAFETY COUPLER

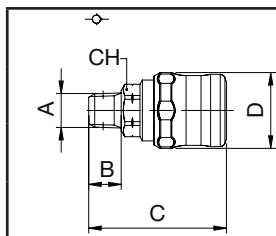
NPTF THREAD



Part No.	A	B	C	D	CH
80622-04	1/4	.531 (13.5)	2.165 (55)	1.200 (30.5)	.669 (17)
80622-06	3/8	.531 (13.5)	2.146 (54.5)	1.200 (30.5)	.787 (20)
80622-08	1/2	.689 (17.5)	2.323 (59)	1.200 (30.5)	.945 (24)

MALE SAFETY COUPLER

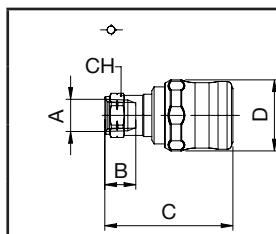
BSPT THREAD



Part No.	A	B	C	D	CH
621-04	1/4	.512 (13)	2.173 (55)	1.200 (30.5)	.748 (19)
621-06	3/8	.512 (13)	2.173 (55)	1.200 (30.5)	.748 (19)
621-08	1/2	.512 (13)	2.173 (55)	1.200 (30.5)	.748 (19)

FEMALE SAFETY COUPLER

BSPP THREAD

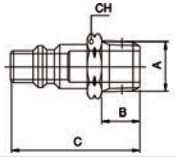


Part No.	A	B	C	D	CH
622-04	1/4	.531 (13.5)	2.165 (55)	1.200 (30.5)	.669 (17)
622-06	3/8	.531 (13.5)	2.146 (54.5)	1.200 (30.5)	.787 (20)
622-08	1/2	.689 (17.5)	2.323 (59)	1.200 (30.5)	.945 (24)

1/4" INDUSTRIAL MALE (STEEL)

NPTF THREAD

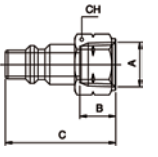


	Part No.	A	B	C	CH
	80221S-04	1/4	.512 (13)	1.634 (41.5)	.669 (17)
	80221S-06	3/8	.512 (13)	1.634 (41.5)	.748 (19)
	80221S-08	1/2	.669 (17)	1.811 (46)	.866 (22)

1/4" INDUSTRIAL FEMALE (STEEL)

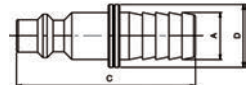
NPTF THREAD



	Part No.	A	B	C	CH
	80222S-04	1/4	.531 (13.5)	1.535 (39)	.669 (17)
	80222S-06	3/8	.531 (13.5)	1.535 (39)	.866 (22)
	80222S-08	1/2	.689 (17.5)	1.693 (43)	.944 (24)

1/4" INDUSTRIAL BARB (STEEL)



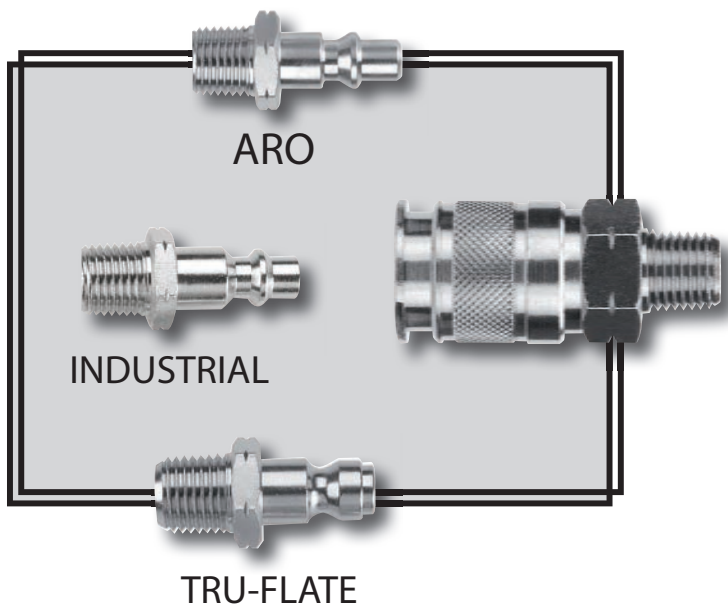
	Part No.	A	B	D
	80225S-04	1/4	1.713 (43.5)	.472 (12)

MULTI-SOCKET

UNIVERSAL QUICK DISCONNECT

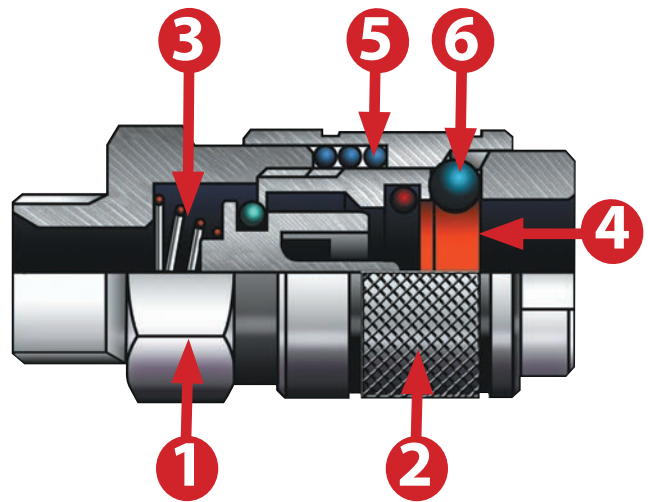


ONE COUPLER... ONLY SOLUTION



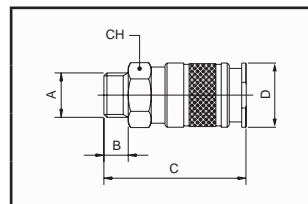
COMPONENT SPECIFICATIONS

- | | |
|-------------------------|---------------------|
| 1. Body | Nickel-plated brass |
| 2. Sleeve | Nickel-plated brass |
| 3. Spring | Stainless steel |
| 4. Piston | Nickel-plated brass |
| 5. Seals | NBR 70 |
| 6. Locking Balls | Stainless steel |



- | | |
|---------------------|-------------------------------------------|
| Pressure: | 0 - 250 psi (17 bar) |
| Connection: | Male NPTF,
Female NPTF
Barb |
| Temperature: | Min: 0° F (-18° C)
Max: 160° F (70° C) |
| Media: | Compressed Air |

1/4" MALE NPTF

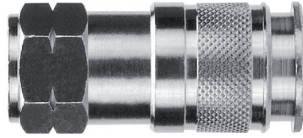


Part No.	A	B	C	D	CH
80191-04	1/4	.512 (13)	2.126 (54)	.945 (24)	.827 (21)
80191-06	3/8	.512 (13)	2.126 (54)	.945 (24)	.827 (21)
80191-08	1/2	.669 (17)	2.303 (58.5)	.945 (24)	.945 (24)

MULTI-SOCKET
UNIVERSAL QUICK DISCONNECT

1/4" FEMALE NPTF

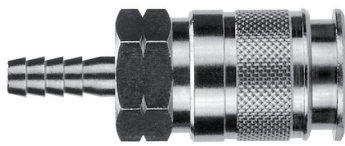
MULTI-SOCKET
UNIVERSAL QUICK DISCONNECT



	Part No.	A	B	C	D	CH
	80192-04	1/4	.533 (13.5)	2.126 (54)	.945 (24)	.827 (21)
	80192-06	3/8	.533 (13.5)	2.126 (54)	.945 (24)	.827 (21)
	80192-08	1/2	.689 (17.5)	2.323 (59)	.945 (24)	.945 (24)

1/4" BARB

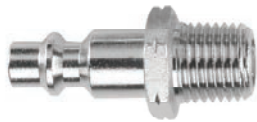
MULTI-SOCKET
UNIVERSAL QUICK DISCONNECT



	Part No.	A	C	D	CH
	80195-04	1/4	2.382 (60.5)	.945 (24)	.827 (21)
	80195-06	3/8	2.402 (61)	.945 (24)	.827 (21)
	80195-08	1/2	2.402 (61)	.945 (24)	.866 (22)

1/4" INDUSTRIAL MALE (BRASS)

NPTF THREAD



	Part No.	A	B	C	CH
	80221-04	1/4	.512 (13)	1.634 (41.5)	.669 (17)
	80221-06	3/8	.512 (13)	1.634 (41.5)	.748 (19)
	80221-08	1/2	.669 (17)	1.811 (46)	.866 (22)

1/4" INDUSTRIAL FEMALE (BRASS)

NPTF THREAD



	Part No.	A	B	C	CH
	80222-04	1/4	.531 (13.5)	1.535 (39)	.669 (17)
	80222-06	3/8	.531 (13.5)	1.535 (39)	.787 (20)
	80222-08	1/2	.689 (17.5)	1.693 (43)	.645 (24)

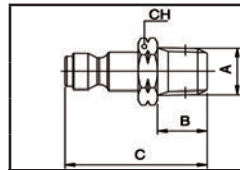
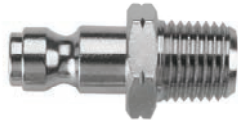
1/4" INDUSTRIAL BARB (BRASS)



	Part No.	A	B	D
	80223-04	1/4	1.713 (43.5)	.472 (12)
	80223-08	1/2	1.811 (46)	.629 (16)

1/4" TRU-FLATE MALE (BRASS)

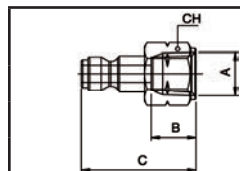
NPTF THREAD



Part No.	A	B	C	CH
80291-04	1/4	.512 (13)	1.457 (37)	.669 (17)
80291-06	3/8	.512 (13)	1.457 (37)	.748 (19)
80291-08	1/2	.669 (17)	1.634 (41.5)	.866 (22)

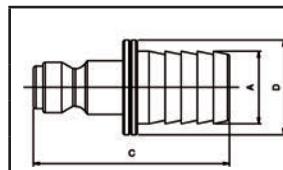
1/4" TRU-FLATE FEMALE (BRASS)

NPTF THREAD



Part No.	A	B	C	CH
80292-04	1/4	.531 (13.5)	1.358 (34.5)	.669 (17)
80292-06	3/8	.531 (13.5)	1.358 (34.5)	.787 (17)
80292-08	1/2	.689 (17.5)	1.516 (38.5)	.945 (24)

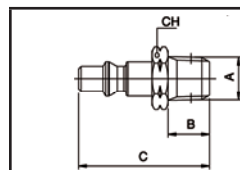
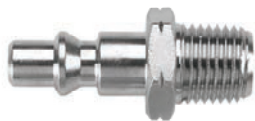
1/4" TRU-FLATE BARB (BRASS)



Part No.	A	B	D
80293-04	1/4	1.634 (41.5)	.472 (12)
80293-06	3/8	1.634 (41.5)	.551 (14)
80293-08	1/2	1.634 (41.5)	.787 (20)

1/4" ARO MALE (BRASS)

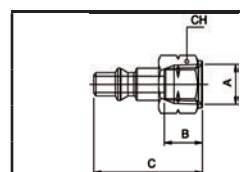
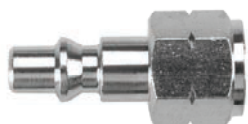
NPTF THREAD



Part No.	A	B	C	CH
80271-04	1/4	.511 (13)	1.574 (40)	.669 (17)
80271-06	3/8	.511 (13)	1.574 (40)	.748 (19)
80271-08	1/2	.669 (17)	1.771 (45)	.866 (22)

1/4" ARO FEMALE (BRASS)

NPTF THREAD



Part No.	A	B	C	CH
80272-04	1/4	.531 (13.5)	1.496 (38)	.669 (17)
80272-06	3/8	.531 (13.5)	1.496 (38)	.787 (20)
80272-08	1/2	.689 (17.5)	1.653 (42)	.945 (24)

1/4" ARO BARB (BRASS)



	Part No.	A	B	D
	80273-04	1/4	1.673 (42.5)	.472 (12)
	80273-08	1/2	1.791 (45.5)	.787 (20)

1/4" ARO MALE (STEEL)

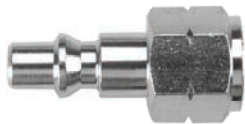
NPTF THREAD



	Part No.	A	B	C	CH
	80271-04	1/4	.511 (13)	1.574 (40)	.669 (17)

1/4" ARO FEMALE (STEEL)

NPTF THREAD



	Part No.	A	B	C	CH
	80272-04	1/4	.531 (13.5)	1.496 (38)	.669 (17)

1/4" INDUSTRIAL MALE (STEEL)

NPTF THREAD



	Part No.	A	B	C	CH
	80221S-04	1/4	.512 (13)	1.634 (41.5)	.669 (17)
	80221S-06	3/8	.512 (13)	1.634 (41.5)	.748 (19)
	80221S-08	1/2	.669 (17)	1.811 (46)	.866 (22)

1/4" INDUSTRIAL FEMALE (STEEL)

NPTF THREAD



	Part No.	A	B	C	CH
	80222S-04	1/4	.531 (13.5)	1.535 (39)	.669 (17)
	80222S-06	3/8	.531 (13.5)	1.535 (39)	.787 (20)
	80222S-08	1/2	.689 (17.5)	1.693 (43)	.645 (24)

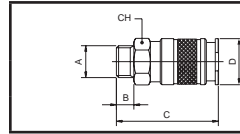
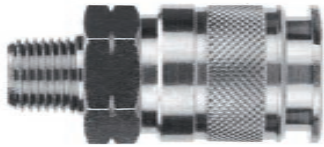
1/4" INDUSTRIAL BARB (STEEL)



	Part No.	A	B	D
	80223S-04	1/4	1.713 (43.5)	.472 (12)

3/8" MALE NPTF

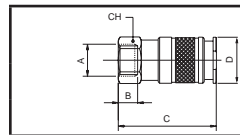
MULTI-SOCKET
UNIVERSAL QUICK DISCONNECT



Part No.	A	B	C	D	CH
80194-06	3/8	.512 (13)	2.342 (59.5)	1.102 (28)	.945 (24)
80194-08	1/2	.669 (17)	2.5 (63.5)	1.102 (28)	.945 (24)

3/8" FEMALE NPTF

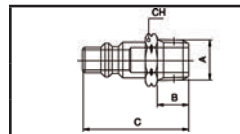
MULTI-SOCKET
UNIVERSAL QUICK DISCONNECT



Part No.	A	B	C	D	CH
80195-06	3/8	.531 (13.5)	2.362 (60)	1.102 (28)	.945 (24)
80195-08	1/2	.689 (17.5)	2.520 (64)	1.102 (28)	.945 (24)

3/8" INDUSTRIAL MALE (BRASS)

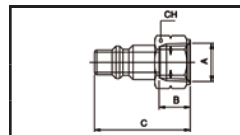
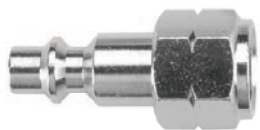
NPTF THREAD



Part No.	A	B	C	CH
80231-06	3/8	.512 (13)	1.732 (44)	.748 (19)
80231-08	1/2	.669 (17)	1.909 (48.5)	.866 (22)

3/8" INDUSTRIAL FEMALE (BRASS)

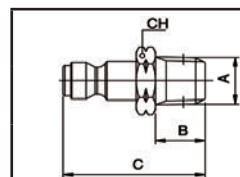
NPTF THREAD



Part No.	A	B	C	CH
80232-06	3/8	.531 (13.5)	1.634 (41.5)	.787 (20)
80232-08	1/2	.669 (17)	1.791 (45.5)	.866 (22)

3/8" TRU-FLATE MALE (BRASS)

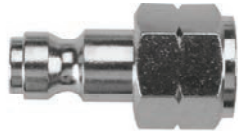
NPTF THREAD

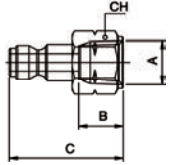


Part No.	A	B	C	CH
80297-06	3/8	.512 (13)	1.752 (44.5)	.748 (19)
80297-08	1/2	.669 (17)	1.929 (49)	.866 (22)

3/8" TRU-FLATE FEMALE (BRASS)

NPTF THREAD

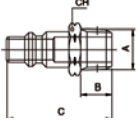


	Part No.	A	B	C	CH
	80298-06	3/8	.531 (13.5)	1.654 (42)	.787 (20)
	80298-08	1/2	.689 (17.5)	1.811 (46)	.866 (24)

3/8" INDUSTRIAL MALE (STEEL)

NPTF THREAD

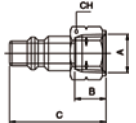


	Part No.	A	B	C	CH
	80231S-06	3/8	.512 (13)	1.732 (44)	.748 (19)
	80231S-08	1/2	.669 (17)	1.909 (48.5)	.866 (22)

3/8" INDUSTRIAL FEMALE (STEEL)

NPTF THREAD



	Part No.	A	B	C	CH
	80232S-06	3/8	.531 (13.5)	1.634 (41.5)	.787 (20)
	80232S-08	1/2	.689 (17.5)	1.791 (45.5)	.945 (24)

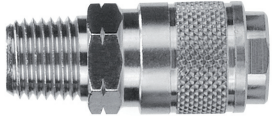
RECOIL ASSEMBLIES

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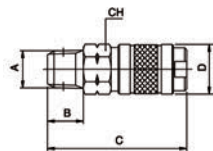


AC MINI MALE

NPTF THREAD

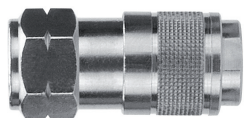


	Part No.	A	B	C	D	CH
	80111-02	1/8	.335 (8.5)	1.496 (38)	.709 (18)	.630 (16)
	80111-04	1/4	.512 (13)	1.673 (42.5)	.709 (18)	.630 (16)
	80111-06	3/8	.512 (13)	1.673 (42.5)	.709 (18)	.751 (19)

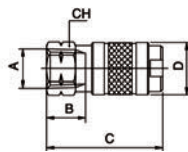


AC MINI FEMALE

NPTF THREAD

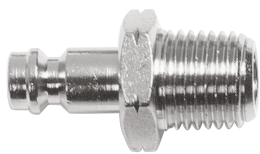


	Part No.	A	B	C	D	CH
	80112-02	1/8	.335 (8.5)	1.457 (37)	.709 (18)	.630 (16)
	80112-04	1/4	.531 (13.5)	1.614 (41)	.709 (18)	.669 (17)
	80112-06	3/8	.531 (13.5)	1.614 (41)	.709 (18)	.787 (20)

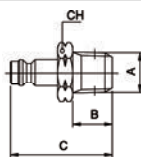


AC MINI MALE (BRASS)

NPTF THREAD

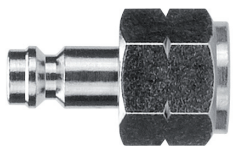


	Part No.	A	B	C	CH
	80211-02	1/8	.335 (8.5)	1.122 (28.5)	.551 (14)
	80211-04	1/4	.512 (13)	1.319 (33.5)	.669 (17)
	80211-06	3/8	.512 (13)	1.319 (33.5)	.748 (19)

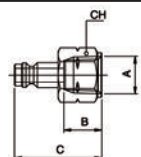


AC MINI FEMALE (BRASS)

NPTF THREAD

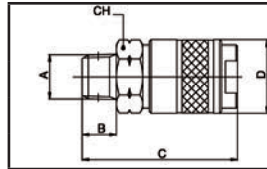
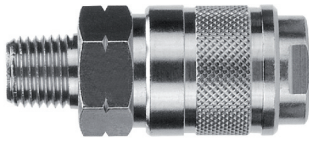


	Part No.	A	B	C	CH
	80212-02	1/8	.374 (9.5)	1.063 (27)	.551 (14)
	80212-04	1/4	.531 (13.5)	1.220 (31)	.669 (17)
	80212-06	3/8	.531 (13.5)	1.220 (31)	.787 (20)



1/4" INDUSTRIAL MALE

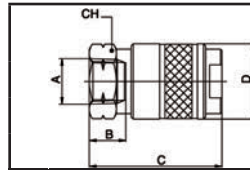
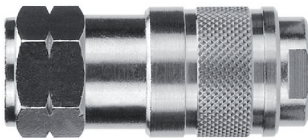
NPTF THREAD



Part No.	A	B	C	D	CH
80121-04	1/4	.512 (13)	2.224 (56.5)	.945 (24)	.827 (21)
80121-06	3/8	.512 (13)	2.224 (56.5)	.945 (24)	.827 (21)
80121-08	1/2	.669 (17)	2.402 (61)	.945 (24)	.945 (24)

1/4" INDUSTRIAL FEMALE

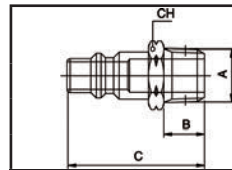
NPTF THREAD



Part No.	A	B	C	D	CH
80122-04	1/4	.531 (13.5)	2.205 (56)	.945 (24)	.827 (21)
80122-06	3/8	.531 (13.5)	2.205 (56)	.945 (24)	.827 (21)
80122-08	1/2	.689 (17.5)	2.421 (61.5)	.945 (24)	.945 (24)

1/4" INDUSTRIAL MALE (BRASS)

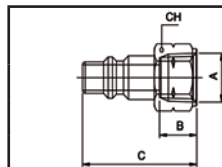
NPTF THREAD



Part No.	A	B	C	CH
80221-04	1/4	.512 (13)	1.634 (41.5)	.669 (17)
80221-06	3/8	.512 (13)	1.634 (41.5)	.748 (19)
80221-08	1/2	.669 (17)	1.811 (46)	.866 (22)

1/4" INDUSTRIAL FEMALE (BRASS)

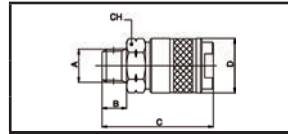
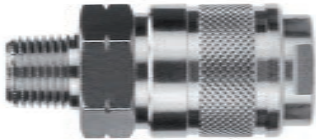
NPTF THREAD



Part No.	A	B	C	CH
80222-04	1/4	.531 (13.5)	1.535 (39)	.669 (17)
80222-06	3/8	.531 (13.5)	1.535 (39)	.787 (20)
80222-08	1/2	.689 (17.5)	1.693 (43)	.645 (24)

3/8" MALE INDUSTRIAL MALE

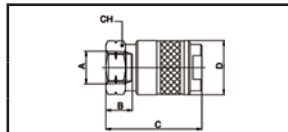
NPTF THREAD



Part No.	A	B	C	D	CH
80131-06	3/8	.512 (13)	2.362 (60)	1.102 (28)	.945 (24)
80131-08	1/2	.689 (17)	2.480 (63)	1.102 (28)	.945 (24)

3/8" INDUSTRIAL FEMALE

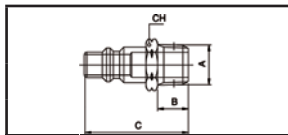
NPTF THREAD



Part No.	A	B	C	D	CH
80132-06	3/8	.531 (13.5)	2.343 (59.5)	1.102 (28)	.945 (24)
80132-08	1/2	.689 (17.5)	2.500 (63.5)	1.102 (28)	.945 (24)

3/8" INDUSTRIAL MALE (BRASS)

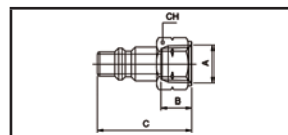
NPTF THREAD



Part No.	A	B	C	CH
80231-06	3/8	.512 (13)	1.732 (44)	.748 (19)
80231-08	1/2	.689 (17.5)	1.909 (48.5)	.866 (22)

3/8" INDUSTRIAL FEMALE (BRASS)

NPTF THREAD



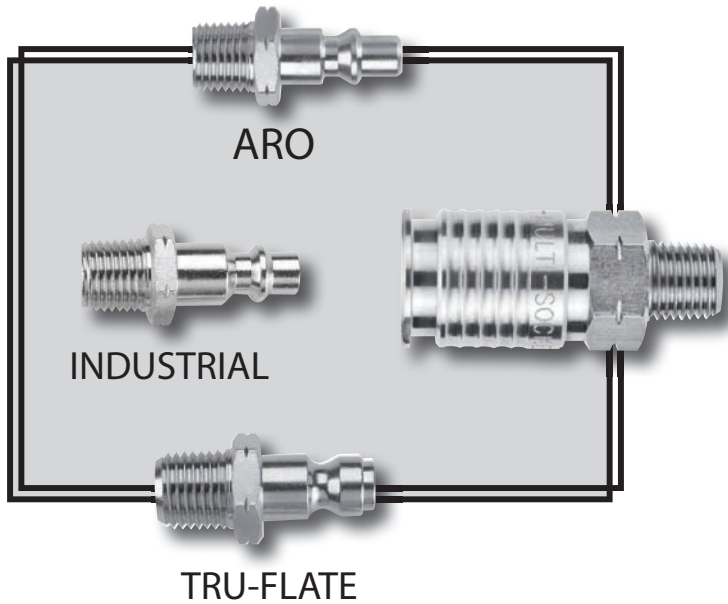
Part No.	A	B	C	CH
80232-06	3/8	.531 (13.5)	1.634 (41.5)	.787 (20)
80232-08	1/2	.689 (17.5)	1.791 (45.5)	.945 (24)

MULTI-SOCKET

STAINLESS STEEL

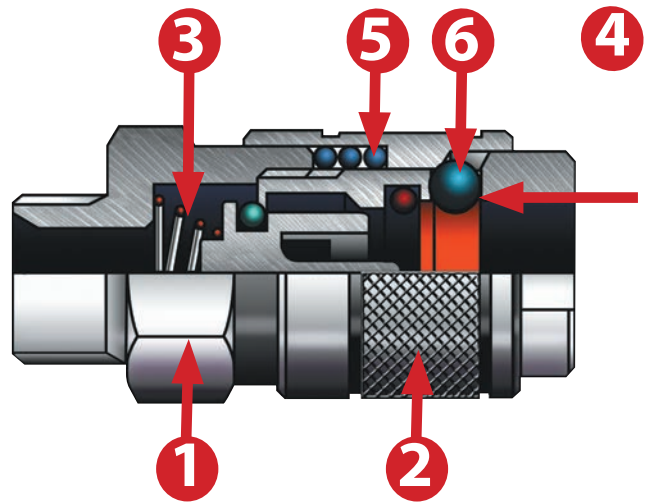


ONE COUPLER... ONLY SOLUTION



COMPONENT SPECIFICATIONS

- | | |
|-------------------------|-----------------|
| 1. Body | Stainless steel |
| 2. Sleeve | Stainless steel |
| 3. Spring | Stainless steel |
| 4. Piston | Stainless steel |
| 5. Seals | FKM |
| 6. Locking Balls | Stainless steel |

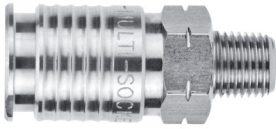


- | | |
|---------------------|-------------------------------------------------------------------------------------------------------------|
| Pressure: | 0 - 250 psi (17 bar) |
| Connection: | Male NPTF,
Female NPTF
Barb |
| Temperature: | Min: 5° F (-15° C)
Max: 437° F (220° C) |
| Media: | Compressed Air
Fluid for food
and Chemical
Industry compatible
with component
specifications |

1/4 MALE NPTF 316L



NPTF THREAD



	Part No.	A	B	C	D	CH
	83191-04	1/4	.511(13)	2.086(53)	.945(24)	.827(21)

1/4 FEMALE NPTF 316L



NPTF THREAD



	Part No.	A	B	C	D	CH
	83192-04	1/4	.533(13.5)	2.066(52.5)	.945(24)	.827(21)

1/4 INDUSTRIAL MALE 316L



NPTF THREAD



	Part No.	A	B	C	CH
	83221-04	1/4	.512(13)	1.633(41.5)	.669(17)

1/4 INDUSTRIAL MALE 316L



NPTF THREAD



	Part No.	A	B	C	CH
	83222-04	1/4	.533(13.5)	1.535(39)	.669(17)



FLOW
CONTROLS

SWIFT-FIT

Control Valves

COMPONENT SPECIFICATIONS

- | | |
|------------------------|---------------------|
| 1. Body | Nickel-plated brass |
| 2. Shaft clip | Stainless steel |
| 3. Adjusting mechanism | Nickel-plated brass |
| 4. O-ring | NBR 70 |
| 5. O-ring | NBR 70 |
| 6. Lip seal | NBR 70 |

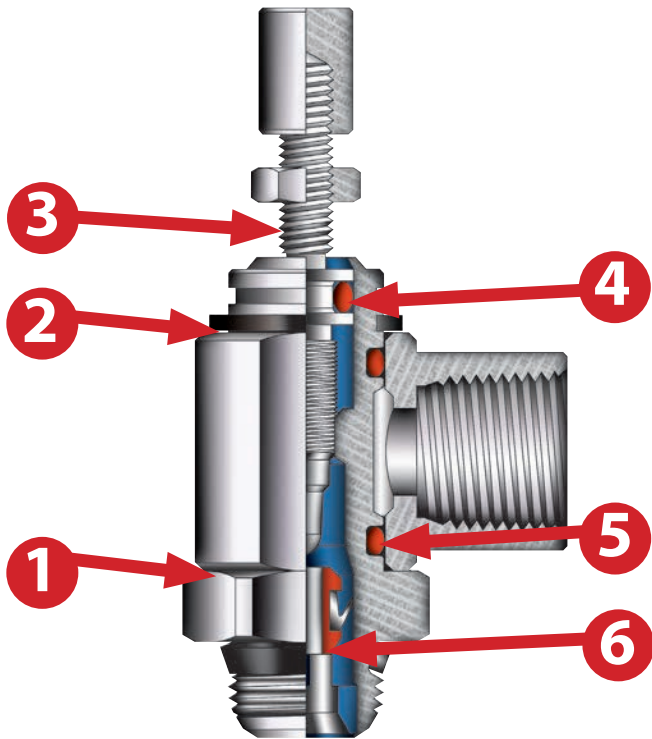
Pressure Rating: Vacuum-250 PSI

Temperature Rating: 0-160° F

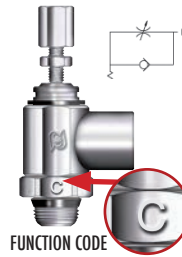
Tubing Compatibility: Nylon*
Polyethylene*
Polyurethane*
Copper

*98 Durometer for best results

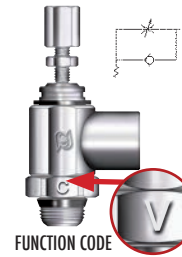
Media: Compressed Air



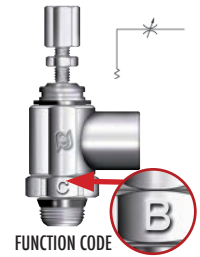
CONTROLLED FLOW OUT



CONTROLLED FLOW IN

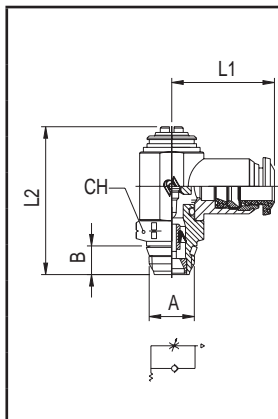


BIDIRECTIONAL FLOW



INCH TUBE FLOW CONTROL (OUT)

SWIFT-FIT
Metallic Control Valve



Part No.	Tube	A SWIFT	B	L1	L2	CH	Code
89953-02-32	1/8	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	C
89953-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	C
89953-53-32	5/32	10/32	.157 (4)	.748 (19)	.945 (24)	.215 (8)	C
89953-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	C
89953-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.181 (30.5)	.551 (14)	C
89953-04-04	1/4	1/4	.276 (7)	.984 (25)	1.417 (36)	.669 (17)	C
89953-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	C
89953-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	C
89953-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	1.614 (41)	.787 (20)	C
89953-08-08	1/2	1/2	.354 (9)	1.378 (35)	1.850 (47)	.945 (24)	C

INCH TUBE FLOW CONTROL (IN)

SWIFT-FIT
Metric Control Valves



	Part No.	Tube	A SWIFT	B	L1	L2	CH	Code
	89963-02-32	1/8	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	V
	89963-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	V
	89963-53-32	5/32	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	V
	89963-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	V
	89963-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.181 (30.5)	.551 (14)	V
	89963-04-04	1/4	1/4	.276 (7)	.984 (25)	1.417 (36)	.669 (17)	V
	89963-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	V
	89963-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	V
	89963-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	1.614 (41)	.787 (20)	V
	89963-08-08	1/2	1/2	.354 (9)	1.378 (35)	1.850 (35)	.945 (24)	V

INCH TUBE NEEDLE VALVE

SWIFT-FIT
Metric Control Valves



	Part No.	Tube	A SWIFT	B	L1	L2	CH	Code
	89973-02-32	1/8	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	B
	89973-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	B
	89973-53-32	5/32	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	B
	89973-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	B
	89973-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.181 (30.5)	.551 (14)	B
	89973-04-04	1/4	1/4	.276 (7)	.984 (25)	1.417 (36)	.669 (17)	B
	89973-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	B
	89973-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	B
	89973-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	1.614 (41)	.787 (20)	B
	89973-08-08	1/2	1/2	.354 (9)	1.378 (35)	1.850 (47)	.954 (24)	B

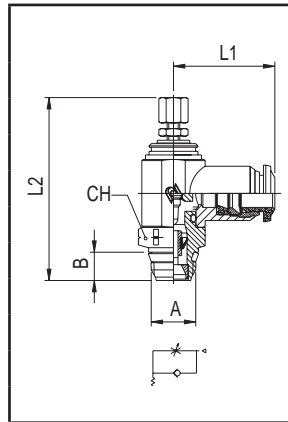
INCH TUBE FLOW CONTROL (OUT)

SWIFT-FIT
Metric Control Valve



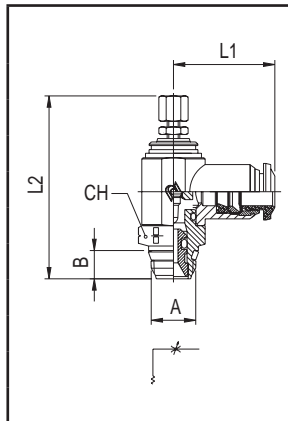
	Part No.	Tube	A SWIFT	B	L1	L2 Min	L2 Max	CH	Code
	89958-02-32	1/8	10/32	.157 (4)	.748 (19)	1.299 (33)	1.476 (37.5)	.315 (8)	C
	89958-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	C
	89958-53-32	5/32	10/32	.157 (4)	.748 (19)	1.299 (33)	1.472 (37.5)	.315 (8)	C
	89958-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	C
	89958-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.614 (41)	1.830 (46.5)	.551 (14)	C
	89958-04-04	1/4	1/4	.276 (7)	.984 (25)	1.850 (47)	2.086 (53)	.669 (17)	C
	89958-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	C
	89958-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	C
	89958-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	2.205 (56)	2.480 (63)	.787 (20)	C
	89958-08-08	1/2	1/2	.354 (9)	1.378 (35)	2.402 (61)	2.717 (69)	.945 (24)	C

INCH TUBE FLOW CONTROL (IN)



Part No.	Tube	A SWIFT	B	L1	L2 Min	L2 Max	CH	Code
89968-02-32	1/8	10/32	.157 (4)	.748 (19)	1.299 (33)	1.476 (37.5)	.315 (8)	V
89968-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	V
89968-53-32	5/32	10/32	.157 (4)	.748 (19)	1.299 (33)	1.472 (37.5)	.315 (8)	V
89968-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	V
89968-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.614 (41)	1.830 (46.5)	.551 (14)	V
89968-04-04	1/4	1/4	.276 (7)	.984 (25)	1.850 (47)	2.086 (53)	.669 (17)	V
89968-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	V
89968-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	V
89968-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	2.205 (56)	2.480 (63)	.787 (20)	V
89968-08-08	1/2	1/2	.354 (9)	1.378 (35)	2.402 (62)	2.717 (69)	.945 (24)	V

INCH TUBE NEEDLE VALVE



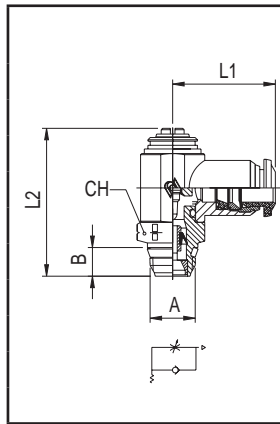
Part No.	Tube	A SWIFT	B	L1	L2 Min	L2 Max	CH	Code
89978-02-32	1/8	10/32	.157 (4)	.748 (19)	1.299 (33)	1.476 (37.5)	.315 (8)	B
89978-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	B
89978-53-32	5/32	10/32	.157 (4)	.748 (19)	1.299 (33)	1.472 (37.5)	.315 (8)	B
89978-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	B
89978-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.614 (41)	1.830 (46.5)	.551 (14)	B
89978-04-04	1/4	1/4	.276 (7)	.984 (25)	1.850 (47)	2.086 (53)	.669 (17)	B
89978-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	B
89978-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	B
89978-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	2.205 (56)	2.480 (63)	.787 (20)	B
89978-08-08	1/2	1/2	.354 (9)	1.378 (35)	2.402 (61)	2.717 (69)	.945 (24)	B

MINI BALL VALVES



INCH TUBE FLOW CONTROL (OUT)

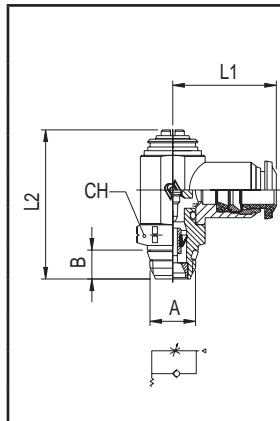
SWIFT-FIT
Control Valves



Part No.	Tube	A SWIFT	B	L1	L2	CH	Code
88953-02-32	1/8	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	C
88953-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	C
88953-53-32	5/32	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	C
88953-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	C
88953-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.181 (30.5)	.551 (14)	C
88953-04-04	1/4	1/4	.276 (7)	.984 (25)	1.417 (36)	.669 (17)	C
88953-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	C
88953-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	C
88953-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	1.614 (41)	.787 (20)	C
88953-08-08	1/2	1/2	.354 (9)	1.378 (35)	1.850 (47)	.945 (24)	C

INCH TUBE NEEDLE VALVE (IN)

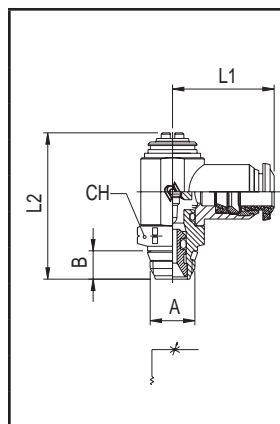
SWIFT-FIT
Control Valves



Part No.	Tube	A SWIFT	B	L1	L2	CH	Code
88963-02-32	1/8	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	V
88963-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	V
88963-53-32	5/32	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	V
88963-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	V
88963-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.181 (30.5)	.551 (14)	V
88963-04-04	1/4	1/4	.276 (7)	.984 (25)	1.417 (36)	.669 (17)	V
88963-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	V
88963-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	V
88963-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	1.614 (41)	.787 (20)	V
88963-08-08	1/2	1/2	.354 (9)	1.378 (35)	1.850 (47)	.945 (24)	V

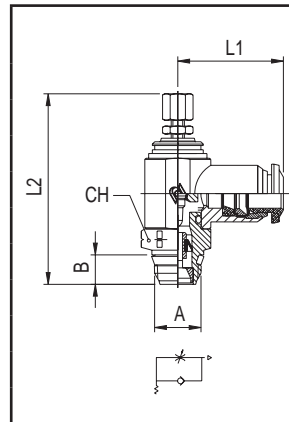
INCH TUBE NEEDLE VALVE

SWIFT-FIT
Control Valves



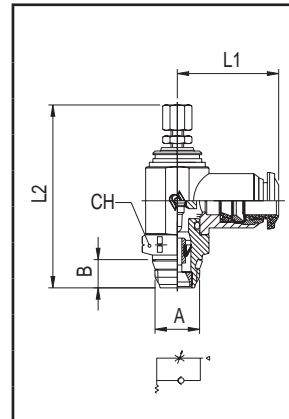
Part No.	Tube	A SWIFT	B	L1	L2	CH	Code
88973-02-32	1/8	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	B
88973-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	B
88973-53-32	5/32	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	B
88973-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	B
88973-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.181 (30.5)	.551 (14)	B
88973-04-04	1/4	1/4	.276 (7)	.984 (25)	1.417 (36)	.669 (17)	B
88973-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	B
88973-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	B
88973-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	1.614 (41)	.787 (20)	B
88973-08-08	1/2	1/2	.295 (7.5)	1.378 (35)	1.850 (47)	.945 (24)	B

INCH TUBE FLOW CONTROL (OUT)



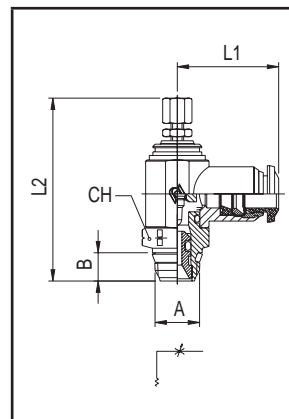
Part No.	Tube	A SWIFT	B	L1	L2 Min	L2 Max	CH	Code
88958-02-32	1/8	10/32	.157 (4)	.748 (19)	1.299 (33)	1.476 (37.5)	.315 (8)	C
88958-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	C
88958-53-32	5/32	10/32	.157 (4)	.748 (19)	1.299 (33)	1.472 (37.5)	.315 (8)	C
88958-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	C
88958-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.614 (41)	1.830 (46.5)	.551 (14)	C
88958-04-04	1/4	1/4	.276 (7)	.984 (25)	1.850 (47)	2.086 (53)	.669 (17)	C
88958-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	C
88958-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	C
88958-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	2.205 (56)	2.480 (63)	.787 (20)	C
88958-08-08	1/2	1/2	.354 (9)	1.378 (35)	2.402 (61)	2.717 (69)	.945 (24)	C

INCH TUBE FLOW CONTROL (IN)



Part No.	Tube	A SWIFT	B	L1	L2 Min	L2 Max	CH	Code
88968-02-32	1/8	10/32	.157 (4)	.748 (19)	1.299(33)	1.476 (37.5)	.315 (8)	V
88968-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	V
88968-53-32	5/32	10/32	.157 (4)	.748 (19)	1.299 (33)	1.472 (37.5)	.315 (8)	V
88968-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	V
88968-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.614 (41)	1.830 (46.5)	.551 (14)	V
88968-04-04	1/4	1/4	.276 (7)	.984 (25)	1.850 (47)	2.086 (53)	.669 (17)	V
88968-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	V
88968-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	V
88968-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	2.205 (56)	2.480 (63)	.787 (20)	V
88968-08-08	1/2	1/2	.354 (9)	1.378 (35)	2.402 (69)	2.717 (69)	.945 (24)	V

INCH TUBE NEEDLE VALVE

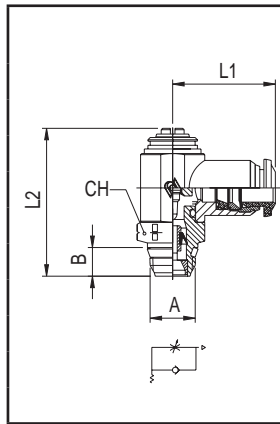


Part No.	Tube	A SWIFT	B	L1	L2 Min	L2 Max	CH	Code
88978-02-32	1/8	10/32	.157 (4)	.748 (19)	1.299 (33)	1.476 (37.5)	.315 (8)	B
88978-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	B
88978-53-32	5/32	10/32	.157 (4)	.748 (19)	1.299 (33)	1.472 (37.5)	.315 (8)	B
88978-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	B
88978-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.614 (41)	1.830 (46.5)	.551 (14)	B
88978-04-04	1/4	1/4	.276 (7)	.984 (25)	1.850 (47)	2.086 (53)	.3669 (17)	B
88978-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	B
88978-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	B
88978-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	2.205 (56)	2.480 (63)	.787 (20)	B
88978-08-08	1/2	1/2	.354 (9)	1.378 (35)	2.402 (61)	2.717 (69)	.945 (24)	B

INCH TUBE FLOW CONTROL (OUT)

NEW

SWIFT-FIT
Control Valves

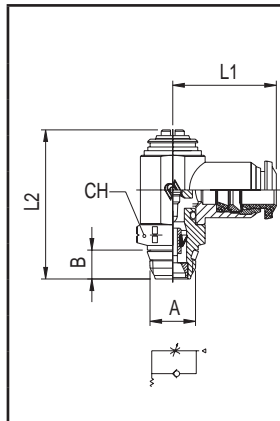


Part No.	Tube	A SWIFT	B	L1	L2	CH	Code
85953-02-32	1/8	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	C
85953-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	C
85953-53-32	5/32	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	C
85953-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	C
85953-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.181 (30.5)	.551 (14)	C
85953-04-04	1/4	1/4	.276 (7)	.984 (25)	1.417 (36)	.669 (17)	C
85953-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	C
85953-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	C
85953-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	1.614 (41)	.787 (20)	C
85953-08-08	1/2	1/2	.354 (9)	1.378 (35)	1.850 (47)	.945 (24)	C

INCH TUBE NEEDLE VALVE (IN)

NEW

SWIFT-FIT
Control Valves

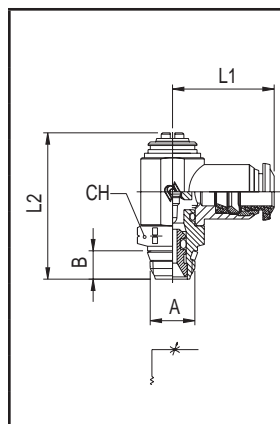


Part No.	Tube	A SWIFT	B	L1	L2	CH	Code
85963-02-32	1/8	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	V
85963-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	V
85963-53-32	5/32	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	V
85963-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	V
85963-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.181 (30.5)	.551 (14)	V
85963-04-04	1/4	1/4	.276 (7)	.984 (25)	1.417 (36)	.669 (17)	V
85963-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	V
85963-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	V
85963-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	1.614 (41)	.787 (20)	V
85963-08-08	1/2	1/2	.354 (9)	1.378 (35)	1.850 (47)	.945 (24)	V

INCH TUBE NEEDLE VALVE

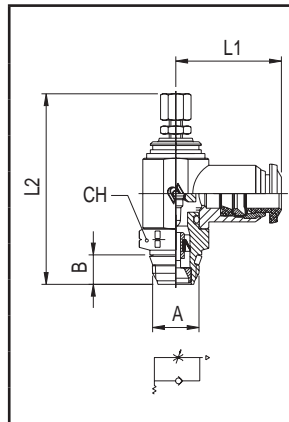
NEW

SWIFT-FIT
Control Valves



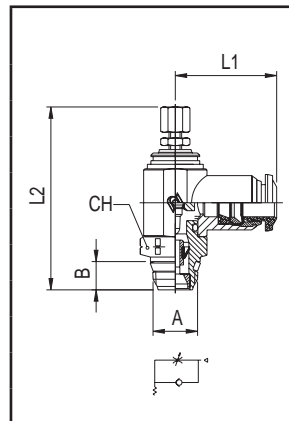
Part No.	Tube	A SWIFT	B	L1	L2	CH	Code
85973-02-32	1/8	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	B
85973-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	B
85973-53-32	5/32	10/32	.157 (4)	.748 (19)	.945 (24)	.315 (8)	B
85973-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.181 (30.5)	.551 (14)	B
85973-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.181 (30.5)	.551 (14)	B
85973-04-04	1/4	1/4	.276 (7)	.984 (25)	1.417 (36)	.669 (17)	B
85973-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	B
85973-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	1.614 (41)	.787 (20)	B
85973-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	1.614 (41)	.787 (20)	B
85973-08-08	1/2	1/2	.295 (7.5)	1.378 (35)	1.850 (47)	.945 (24)	B

INCH TUBE FLOW CONTROL (OUT)



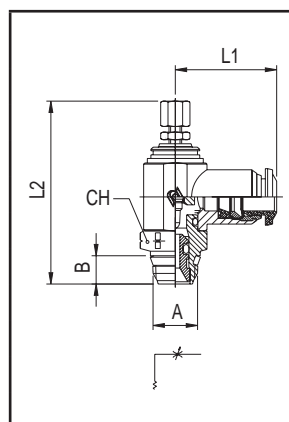
Part No.	Tube	A SWIFT	B	L1	L2 Min	L2 Max	CH	Code
85958-02-32	1/8	10/32	.157 (4)	.748 (19)	1.299 (33)	1.476 (37.5)	.315 (8)	C
85958-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	C
85958-53-32	5/32	10/32	.157 (4)	.748 (19)	1.299 (33)	1.472 (37.5)	.315 (8)	C
85958-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	C
85958-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.614 (41)	1.830 (46.5)	.551 (14)	C
85958-04-04	1/4	1/4	.276 (7)	.984 (25)	1.850 (47)	2.086 (53)	.669 (17)	C
85958-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	C
85958-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	C
85958-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	2.205 (56)	2.480 (63)	.787 (20)	C
85958-08-08	1/2	1/2	.354 (9)	1.378 (35)	2.402 (61)	2.717 (69)	.945 (24)	C

INCH TUBE FLOW CONTROL (IN)



Part No.	Tube	A SWIFT	B	L1	L2 Min	L2 Max	CH	Code
85968-02-32	1/8	10/32	.157 (4)	.748 (19)	1.299(33)	1.476 (37.5)	.315 (8)	V
85968-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	V
85968-53-32	5/32	10/32	.157 (4)	.748 (19)	1.299 (33)	1.472 (37.5)	.315 (8)	V
85968-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	V
85968-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.614 (41)	1.830 (46.5)	.551 (14)	V
85968-04-04	1/4	1/4	.276 (7)	.984 (25)	1.850 (47)	2.086 (53)	.669 (17)	V
85968-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	V
85968-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	V
85968-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	2.205 (56)	2.480 (63)	.787 (20)	V
85968-08-08	1/2	1/2	.354 (9)	1.378 (35)	2.402 (69)	2.717 (69)	.945 (24)	V

INCH TUBE NEEDLE VALVE



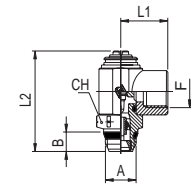
Part No.	Tube	A SWIFT	B	L1	L2 Min	L2 Max	CH	Code
85978-02-32	1/8	10/32	.157 (4)	.748 (19)	1.299 (33)	1.476 (37.5)	.315 (8)	B
85978-02-02	1/8	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	B
85978-53-32	5/32	10/32	.157 (4)	.748 (19)	1.299 (33)	1.472 (37.5)	.315 (8)	B
85978-53-02	5/32	1/8	.217 (5.5)	.827 (21)	1.614 (41)	1.830 (46.5)	.551 (14)	B
85978-04-02	1/4	1/8	.217 (5.5)	.866 (22)	1.614 (41)	1.830 (46.5)	.551 (14)	B
85978-04-04	1/4	1/4	.276 (7)	.984 (25)	1.850 (47)	2.086 (53)	.3669 (17)	B
85978-06-04	3/8	1/4	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	B
85978-06-06	3/8	3/8	.295 (7.5)	1.181 (30.5)	2.205 (56)	2.480 (63)	.787 (20)	B
85978-08-06	1/2	3/8	.295 (7.5)	1.280 (32.5)	2.205 (56)	2.480 (63)	.787 (20)	B
85978-08-08	1/2	1/2	.354 (9)	1.378 (35)	2.402 (61)	2.717 (69)	.945 (24)	B

FEMALE NPTF FLOW CONTROL (OUT)

SWIFT-FIT
Control Valves



Part No.	F SWIFT	A SWIFT	B	L1	L2	CH	Code
88952-32-32	10/32	10/32	.157 (4)	.394 (10)	.944 (24)	.315 (8)	C
88952-02-02	1/8	1/8	.217 (5.5)	.650 (16.5)	1.181 (30.5)	.551 (14)	C
88952-04-04	1/4	1/4	.276 (7)	.866 (22)	1.417 (36)	.669 (17)	C
88952-06-06	3/8	3/8	.295 (7.5)	1.043 (26.5)	1.614 (41)	.787 (20)	C

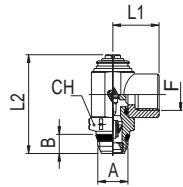


FEMALE NPTF FLOW CONTROL (IN)

SWIFT-FIT
Control Valves



Part No.	F SWIFT	A SWIFT	B	L1	L2	CH	Code
88962-32-32	10/32	10/32	.157 (4)	.394 (10)	.945 (24)	.315 (8)	V
88962-02-02	1/8	1/8	.217 (5.5)	.650 (16.5)	1.181 (30.5)	.551 (14)	V
88962-04-04	1/4	1/4	.276 (7)	.866 (22)	1.417 (36)	.669 (17)	V
88962-06-06	3/8	3/8	.295 (7.5)	1.043 (26.5)	1.614 (41)	.787 (20)	V

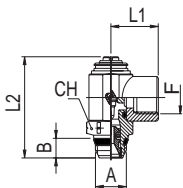


FEMALE NPTF NEEDLE VALVE

SWIFT-FIT
Control Valves



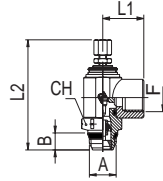
Part No.	F SWIFT	A SWIFT	B	L1	L2	CH	Code
88972-32-32	10/32	10/32	.157 (4)	.394 (10)	.945 (24)	.315 (8)	B
88972-02-02	1/8	1/8	.217 (5.5)	.650 (16.5)	1.181 (30.5)	.551 (14)	B
88972-04-04	1/4	1/4	.276 (7)	.866 (22)	1.417 (36)	.669 (17)	B
88972-06-06	3/8	3/8	.295 (7.5)	1.043 (26.5)	1.614 (41)	.787 (20)	B



FEMALE NPTF FLOW CONTROL (OUT)



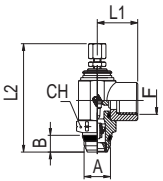
Part No.	F NPTF	A SWIFT	B	L1	L2 Min	L2 Max	CH	Code
								C
88957-32-32	10/32	10/32	.157 (4)	.394 (10)	1.299 (33)	1.477 (37.5)	.315 (8)	C
88957-02-02	1/8	1/8	.217 (5.5)	.650 (16.5)	1.614 (41)	1.830 (46.5)	.551 (14)	C
88957-04-04	1/4	1/4	.276 (7)	.866 (22)	1.850 (47)	2.086 (53)	.669 (17)	C
88957-06-06	3/8	3/8	.295 (7.5)	1.043 (26.5)	2.205 (56)	2.480 (63)	.787 (20)	C



FEMALE NPTF FLOW CONTROL (IN)



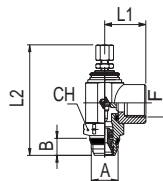
Part No.	F NPTF	A SWIFT	B	L1	L2 Min	L2 Max	CH	Code
								V
88967-32-32	10/32	10/32	.157 (4)	.394 (10)	1.299 (33)	1.477 (37.5)	.315 (8)	V
88967-02-02	1/8	1/8	.217 (5.5)	.650 (16.5)	1.614 (41)	1.830 (46.5)	.551 (14)	V
88967-04-04	1/4	1/4	.276 (7)	.866 (22)	1.850 (47)	2.086 (53)	.669 (17)	V
88967-06-06	3/8	3/8	.295 (7.5)	1.043 (26.5)	2.205 (56)	2.480 (63)	.787 (20)	V



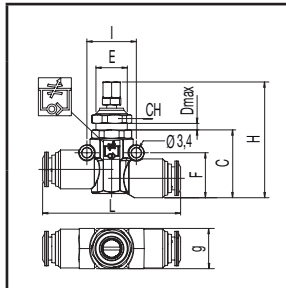
FEMALE NPTF NEEDLE VALVE



Part No.	F NPTF	A SWIFT	B	L1	L2 Min	L2 Max	CH	Code
								B
88977-32-32	10/32	10/32	.157 (4)	.394 (10)	1.299 (33)	1.477 (37.5)	.315 (8)	B
88977-02-02	1/8	1/8	.217 (5.5)	.650 (16.5)	1.614 (41)	1.830 (46.5)	.551 (14)	B
88977-04-04	1/4	1/4	.276 (7)	.866 (22)	1.850 (47)	2.086 (53)	.669 (17)	B
88977-06-06	3/8	3/8	.295 (7.5)	1.043 (26.5)	2.205 (56)	2.480 (63)	.787 (20)	B

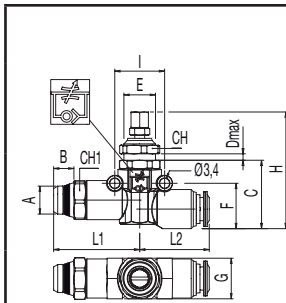


INLINE FLOW CONTROL



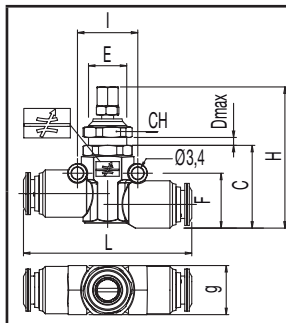
Part No.	Tube	C	D	E	F	G	H	I	L	CH
82815-04	1/4	.928 (23.5)	.157 (4)	M11X1	.618 (15.5)	.551 (14)	1.578-1.827 (40.5-46.5)	.677 (17)	1.890 (48)	.512 (13)
82815-06	3/8	.996 (25.5)	.177 (4.5)	M16X1	.807 (20.5)	.807 (20.5)	1.929-2.161 49-55	.787 (20)	2.272 (57.5)	.709 (18)

INLINE FLOW CONTROL MALE X TUBE



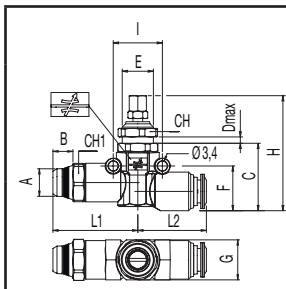
Part No.	A	Tube	B	C	D	E	F	G	H	I	L1	L2	CH	CH1
82820-04-04	1/4	1/4	.276 (7)	.928 (23.5)	.157 (4)	M11X1	.618 (15.5)	.551 (14)	1.587-1.827 (40.5-46.5)	.677 (17)	1.169 (29.5)	.945 (24)	.512 (13)	.512 (13)
82820-06-04	1/4	3/8	.276 (7)	.996 (25.5)	.177 (4.5)	M16X1	.807 (20.5)	.807 (20.5)	1.929-2.161 (49-55)	.787 (20)	1.378 (35)	1.134 (29)	.709 (18)	.630 (16)
82820-06-06	3/8	3/8	.295 (7.5)	.996 (25.5)	.177 (4.5)	M16X1	.807 (20.5)	.807 (20.5)	1.929-2.161 (49-55)	.787 (20)	1.299 (33)	1.134 (29)	.709 (18)	.669 (17)

INLINE TUBE NEEDLE VALVE



Part No.	Tube	C	D	E	F	G	H	I	L	CH
82830-04	1/4	.928 (23.5)	.157 (4)	M11X1	.618 (15.5)	.551 (14)	1.578-1.827 (40.5-46.5)	.677 (17)	1.890 (48)	.512 (13)
82830-06	3/8	.996 (25.5)	.177 (4.5)	M16X1	.807 (20.5)	.807 (20.5)	1.929-2.161 49-55	.787 (20)	2.272 (57.5)	.709 (18)

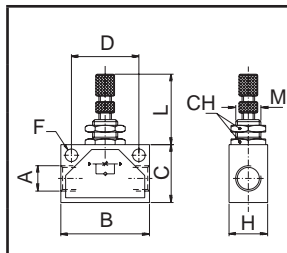
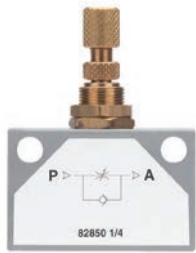
INLINE NEEDLE VALVE MALE X TUBE



Part No.	A	Tube	B	C	D	E	F	G	H	I	L1	L2	CH	CH1
82835-04-04	1/4	1/4	.276 (7)	.928 (23.5)	.157 (4)	M11X1	.618 (15.5)	.551 (14)	1.587-1.827 (40.5-46.5)	.677 (17)	1.169 (29.5)	.945 (24)	.512 (13)	.512 (13)
82835-06-06	3/8	3/8	.295 (7.5)	.996 (25.5)	.177 (4.5)	M16X1	.807 (20.5)	.807 (20.5)	1.929-2.161 (49-55)	.787 (20)	1.299 (33)	1.134 (29)	.709 (18)	.669 (17)

INLINE FLOW CONTROL FEMALE

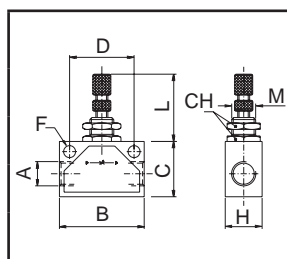
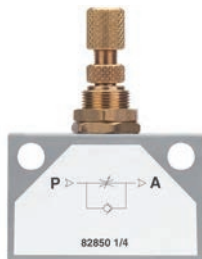
NPTF THREAD



Part No.	A	B	C	H	D	F	L	M	CH
82850-02	1/8	1.378 (35)	.866 (22)	.709 (18)	.984 (25)	.177 (4.5)	1.023-1.417 (26-36)	M12x0.75	.590 (15)
82850-04	1/4	1.811 (46)	1.181 (30)	.787 (20)	1.378 (35)	.256 (6.5)	1.023-1.417 (26-36)	M12x0.75	.590 (15)
82850-06	3/8	1.968 (50)	1.181 (30)	.984 (25)	1.378 (35)	.256 (6.5)	1.259-1.653 (32-42)	M18x1.5	.866 (22)
82850-08	1/2	2.362 (60)	1.575 (40)	.984 (25)	1.732 (44)	.256 (6.5)	1.259-1.734 (32-44)	M18x1.5	.866 (22)

INLINE NEEDLE VALVE FEMALE

NPTF THREAD



Part No.	A	B	C	H	D	F	L	M	CH
82860-02	1/8	1.378 (35)	.866 (22)	.709 (18)	.984 (25)	.177 (4.5)	1.023-1.417 (26-36)	M12x0.75	.590 (15)
82860-04	1/4	1.811 (46)	1.181 (30)	.787 (20)	1.378 (35)	.256 (6.5)	1.023-1.417 (26-36)	M12x0.75	.590 (15)
82860-06	3/8	1.968 (50)	1.181 (30)	.984 (25)	1.378 (35)	.256 (6.5)	1.259-1.653 (32-42)	M18x1.5	.866 (22)
82860-08	1/2	2.362 (60)	1.575 (40)	.984 (25)	1.732 (44)	.256 (6.5)	1.259-1.734 (32-44)	M18x1.5	.866 (22)

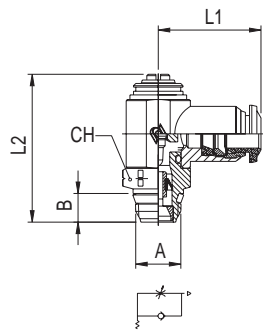
SAFETY COUPLER



METRIC TUBE FLOW CONTROL (OUT)



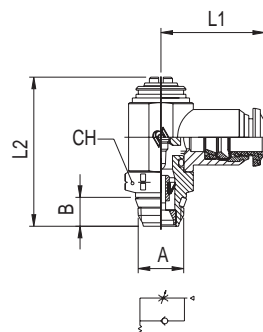
Part No.	Tube	A	B	L1	L2	CH	Code
50901N-3-M5	3	M5	.156 (4)	.741 (19)	.936 (24)	.312 (8)	C
50901N-4-M5	4	M5	.156 (4)	.741 (19)	.936 (24)	.312 (8)	C
50901N-4-1/8	4	1/8	.215 (5.5)	.819 (21)	1.190 (30.5)	.546 (14)	C
50901N-5-M5	5	M5	.156 (4)	.780 (20)	.936 (24)	.312 (8)	C
50901N-5-1/8	5	1/8	.215 (5.5)	.839 (21.5)	1.190 (30.5)	.546 (14)	C
50901N-5-1/4	5	1/4	.273 (7)	.956 (24.5)	1.385 (35.5)	.663 (17)	C
50901N-6-M5	6	M5	.156 (4)	.800 (20.5)	.936 (24)	.312 (8)	C
50901N-6-1/8	6	1/8	.273 (7)	.878 (22.5)	1.190 (30.5)	.546 (14)	C
50901N-6-1/4	6	1/4	.215 (5.5)	.975 (25)	1.385 (35.5)	.663 (17)	C
50901N-8-1/8	8	1/8	.215 (5.5)	.936 (24)	1.190 (30.5)	.546 (14)	C
50901N-8-1/4	8	1/4	.273 (7)	1.014 (26)	1.385 (35.5)	.663 (17)	C
50901N-10-3/8	10	3/8	.293 (7.5)	1.190 (30.5)	1.599 (41)	.780 (20)	C
50901N-12-3/8	12	3/8	.293 (7.5)	1.268 (32.5)	1.599 (41)	.780 (20)	C
50901N-12-1/2	12	1/2	.351 (9)	1.365 (35)	1.833 (47)	.936 (24)	C
50901N-14-1/2	14	1/2	.351 (9)	1.385 (35.5)	1.833 (47)	.936 (24)	C



METRIC TUBE FLOW CONTROL (IN)



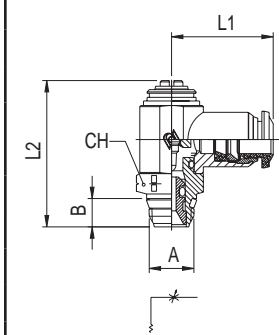
Part No.	Tube	A	B	L1	L2	CH	Code
50910N-3-M5	3	M5	.156 (4)	.741 (19)	.936 (24)	.312 (8)	B
50910N-4-M5	4	M5	.156 (4)	.741 (19)	.936 (24)	.312 (8)	B
50910N-4-1/8	4	1/8	.215 (5.5)	.819 (21)	1.190 (30.5)	.546 (14)	B
50910N-5-M5	5	M5	.156 (4)	.780 (20)	.936 (24)	.312 (8)	B
50910N-5-1/8	5	1/8	.215 (5.5)	.839 (21.5)	1.190 (30.5)	.546 (14)	B
50910N-5-1/4	5	1/4	.273 (7)	.956 (24.5)	1.385 (35.5)	.663 (17)	B
50910N-6-M5	6	M5	.156 (4)	.800 (20.5)	.936 (24)	.312 (8)	B
50910N-6-1/8	6	1/8	.273 (7)	.878 (22.5)	1.190 (30.5)	.546 (14)	B
50910N-6-1/4	6	1/4	.215 (5.5)	.975 (25)	1.385 (35.5)	.663 (17)	B
50910N-8-1/8	8	1/8	.215 (5.5)	.936 (24)	1.190 (30.5)	.546 (14)	B
50910N-8-1/4	8	1/4	.273 (7)	1.014 (26)	1.385 (35.5)	.663 (17)	B
50910N-10-3/8	10	3/8	.293 (7.5)	1.190 (30.5)	1.599 (41)	.780 (20)	B
50910N-12-3/8	12	3/8	.293 (7.5)	1.268 (32.5)	1.599 (41)	.780 (20)	B
50910N-12-1/2	12	1/2	.351 (9)	1.365 (35)	1.833 (47)	.936 (24)	B
50910N-14-1/2	14	1/2	.351 (9)	1.385 (35.5)	1.833 (47)	.936 (24)	B



METRIC TUBE NEEDLE VALVE



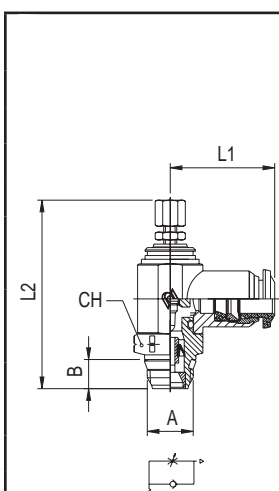
Part No.	Tube	A	B	L1	L2	CH	Code
50920N-3-M5	3	M5	.156 (4)	.741 (19)	.936 (24)	.312 (8)	B
50920N-4-M5	4	M5	.156 (4)	.741 (19)	.936 (24)	.312 (8)	B
50920N-4-1/8	4	1/8	.215 (5.5)	.819 (21)	1.190 (30.5)	.546 (14)	B
50920N-5-M5	5	M5	.156 (4)	.780 (20)	.936 (24)	.312 (8)	B
50920N-5-1/8	5	1/8	.215 (5.5)	.839 (21.5)	1.190 (30.5)	.546 (14)	B
50920N-5-1/4	5	1/4	.273 (7)	.956 (24.5)	1.385 (35.5)	.663 (17)	B
50920N-6-M5	6	M5	.156 (4)	.800 (20.5)	.936 (24)	.312 (8)	B
50920N-6-1/8	6	1/8	.273 (7)	.878 (22.5)	1.190 (30.5)	.546 (14)	B
50920N-6-1/4	6	1/4	.215 (5.5)	.975 (25)	1.385 (35.5)	.663 (17)	B
50920N-8-1/8	8	1/8	.215 (5.5)	.936 (24)	1.190 (30.5)	.546 (14)	B
50920N-8-1/4	8	1/4	.273 (7)	1.014 (26)	1.385 (35.5)	.663 (17)	B
50920N-10-3/8	10	3/8	.293 (7.5)	1.190 (30.5)	1.599 (41)	.780 (20)	B
50920N-12-3/8	12	3/8	.293 (7.5)	1.268 (32.5)	1.599 (41)	.780 (20)	B
50920N-12-1/2	12	1/2	.351 (9)	1.365 (35)	1.833 (47)	.936 (24)	B
50920N-14-1/2	14	1/2	.351 (9)	1.385 (35.5)	1.833 (47)	.936 (24)	B



METRIC TUBE FLOW CONTROL (OUT)



Part No.	Tube	A	B	L1	L2 Min	L2 Max	CH	Code
50905N-3-M5	3	M5	.156 (4)	.741 (19)	1.287 (33)	1.463 (37.5)	.312 (8)	C
50905N-4-M5	4	M5	.156 (4)	.741 (19)	1.287 (33)	1.463 (37.5)	.312 (8)	C
50905N-4-1/8	4	1/8	.215 (5.5)	.819 (21)	1.599 (41)	1.814 (46.5)	.546 (14)	C
50905N-5-M5	5	M5	.156 (4)	.780 (20)	1.287 (33)	1.463 (37.5)	.312 (8)	C
50905N-5-1/8	5	1/8	.215 (5.5)	.839 (21.5)	1.599 (41)	1.814 (46.5)	.546 (14)	C
50905N-5-1/4	5	1/4	.273 (7)	.956 (24.5)	1.814 (46.5)	2.048 (52.5)	.663 (17)	C
50905N-6-M5	6	M5	.156 (4)	.800 (20.5)	1.287 (33)	1.463 (37.5)	.312 (8)	C
50905N-6-1/8	6	1/8	.273 (7)	.878 (22.5)	1.599 (41)	1.814 (46.5)	.546 (14)	C
50905N-6-1/4	6	1/4	.215 (5.5)	.975 (25)	1.814 (46.5)	2.048 (52.5)	.663 (17)	C
50905N-8-1/8	8	1/8	.215 (5.5)	.936 (24)	1.599 (41)	1.814 (46.5)	.546 (14)	C
50905N-8-1/4	8	1/4	.273 (7)	1.014 (26)	1.814 (46.5)	2.048 (52.5)	.663 (17)	C
50905N-10-3/8	10	3/8	.293 (7.5)	1.190 (30.5)	2.184 (56)	2.457 (63)	.780 (20)	C
50905N-12-3/8	12	3/8	.293 (7.5)	1.268 (32.5)	2.184 (56)	2.457 (63)	.780 (20)	C
50905N-12-1/2	12	1/2	.351 (9)	1.365 (35)	2.379 (61)	2.691 (69)	.936 (24)	C
50905N-14-1/2	14	1/2	.351 (9)	1.385 (35.5)	2.379 (61)	2.691 (69)	.936 (24)	C



METRIC TUBE FLOW CONTROL (IN)

SWIFT-FIT
Control Valves



	Part No.	Tube	A	B	L1	L2 Min	L2 Max	CH	Code
	50915N-3-M5	3	M5	.156 (4)	.741 (19)	1.287 (33)	1.463 (37.5)	.312 (8)	V
	50915N-4-M5	4	M5	.156 (4)	.741 (19)	1.287 (33)	1.463 (37.5)	.312 (8)	V
	50915N- 4-1/8	4	1/8	.215 (5.5)	.819 (21)	1.599 (41)	1.814 (46.5)	.546 (14)	V
	50915N-5-M5	5	M5	.156 (4)	.780 (20)	1.287 (33)	1.463 (37.5)	.312 (8)	V
	50915N-5-1/8	5	1/8	.215 (5.5)	.839 (21.5)	1.599 (41)	1.814 (46.5)	.546 (14)	V
	50915N-5-1/4	5	1/4	.273 (7)	.956 (24.5)	1.814 (46.5)	2.048 (52.5)	.663 (17)	V
	50915N-6-M5	6	M5	.156 (4)	.800 (20.5)	1.287 (33)	1.463 (37.5)	.312 (8)	V
	50915N-6-1/8	6	1/8	.273 (7)	.878 (22.5)	1.599 (41)	1.814 (46.5)	.546 (14)	V
	50915N-6-1/4	6	1/4	.215 (5.5)	.975 (25)	1.814 (46.5)	2.048 (52.5)	.663 (17)	V
	50915N-8-1/8	8	1/8	.215 (5.5)	.936 (24)	1.599 (41)	1.814 (46.5)	.546 (14)	V
	50915N-8-1/4	8	1/4	.273 (7)	1.014 (26)	1.814 (46.5)	2.048 (52.5)	.663 (17)	V
	50915N-10-3/8	10	3/8	.293 (7.5)	1.190 (30.5)	2.184 (56)	2.457 (63)	.780 (20)	V
	50915N-12-3/8	12	3/8	.293 (7.5)	1.268 (32.5)	2.184 (56)	2.457 (63)	.780 (20)	V
	50915N-12-1/2	12	1/2	.351 (9)	1.365 (35)	2.379 (61)	2.691 (69)	.936 (24)	V
50915N-14-1/2	14	1/2	.351 (9)	1.385 (35.5)	2.379 (61)	2.691 (69)	.936 (24)	V	

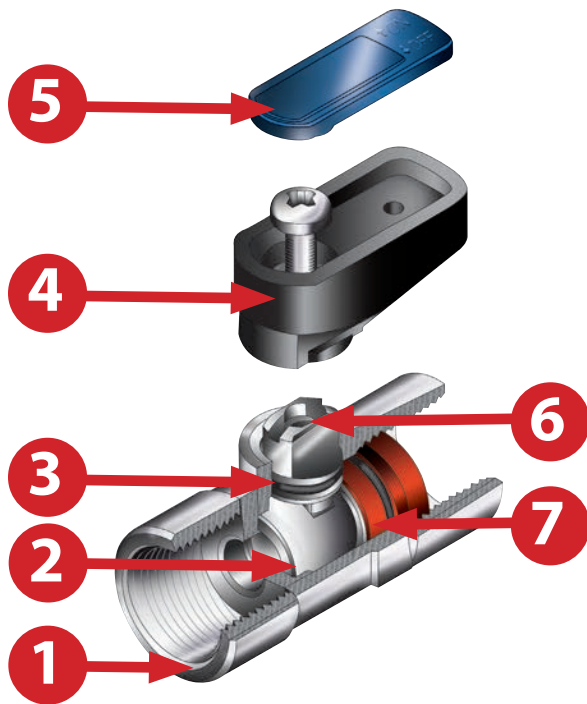
METRIC TUBE NEEDLE VALVE

SWIFT-FIT
Control Valves



	Part No.	Tube	A	B	L1	L2 Min	L2 Max	CH	Code
	50925N-3-M5	3	M5	.156 (4)	.741 (19)	1.287 (33)	1.463 (37.5)	.312 (8)	B
	50925N-4-M5	4	M5	.156 (4)	.741 (19)	1.287 (33)	1.463 (37.5)	.312 (8)	B
	50925N- 4-1/8	4	1/8	.215 (5.5)	.819 (21)	1.599 (41)	1.814 (46.5)	.546 (14)	B
	50925N-5-M5	5	M5	.156 (4)	.780 (20)	1.287 (33)	1.463 (37.5)	.312 (8)	B
	50925N-5-1/8	5	1/8	.215 (5.5)	.839 (21.5)	1.599 (41)	1.814 (46.5)	.546 (14)	B
	50925N-5-1/4	5	1/4	.273 (7)	.956 (24.5)	1.814 (46.5)	2.048 (52.5)	.663 (17)	B
	50925N-6-M5	6	M5	.156 (4)	.800 (20.5)	1.287 (33)	1.463 (37.5)	.312 (8)	B
	50925N-6-1/8	6	1/8	.273 (7)	.878 (22.5)	1.599 (41)	1.814 (46.5)	.546 (14)	B
	50925N-6-1/4	6	1/4	.215 (5.5)	.975 (25)	1.814 (46.5)	2.048 (52.5)	.663 (17)	B
	50925N-8-1/8	8	1/8	.215 (5.5)	.936 (24)	1.599 (41)	1.814 (46.5)	.546 (14)	B
	50925N-8-1/4	8	1/4	.273 (7)	1.014 (26)	1.814 (46.5)	2.048 (52.5)	.663 (17)	B
	50925N-10-3/8	10	3/8	.293 (7.5)	1.190 (30.5)	2.184 (56)	2.457 (63)	.780 (20)	B
	50925N-12-3/8	12	3/8	.293 (7.5)	1.268 (32.5)	2.184 (56)	2.457 (63)	.780 (20)	B
	50925N-12-1/2	12	1/2	.351 (9)	1.365 (35)	2.379 (61)	2.691 (69)	.936 (24)	B
50925N-14-1/2	14	1/2	.351 (9)	1.385 (35.5)	2.379 (61)	2.691 (69)	.936 (24)	B	

MINI BALL VALVES



"A" = Long handle. "B" = Long handle with stem extension.
 Example: Part# 86300-04B is a 1/4" mini-ball valve with long handle and stem extension.

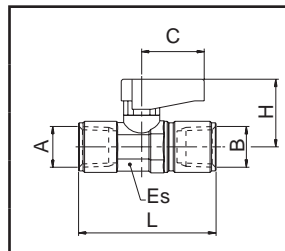
COMPONENT SPECIFICATIONS

1. Body	Chrome Plated Brass
2. Ball	Chrome Plated Brass
3. Stem seal	NBR 70
4. Handle	Composite
5. Color plate	Composite
6. Stem	Nickel-plated brass
7. Ball retainer seal	Teflon

Pressure range	0 - 290 psi (20 bar) Vacuum service
Connection type	Male NPTF, Female NPTF and Barb
Temperature range	Min: 0° F (-18° C) Max: 175° F (80° C)
Media	Air, oil, water, gas (Consult factory for seal compatability)

FEMALE x FEMALE

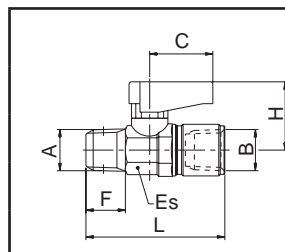
NPTF THREAD



Part No.	A NPTF	B NPTF	Orifice	Es	L	C	H
86300-02	1/8	1/8	.217 (5.5)	.551 (14)	1.476 (37.5)	.748 (19)	.827 (21)
86300-04	1/4	1/4	.217 (5.5)	.551 (14)	1.811 (46)	.748 (19)	.827 (21)
86300-06	3/8	3/8	.315 (8)	.709 (18)	1.909 (48.5)	.748 (19)	.866 (22)
86300-08	1/2	1/2	.394 (10)	.866 (22)	2.441 (62)	1.024 (26)	1.201 (30.5)

MALE x FEMALE

NPTF THREAD

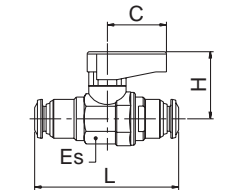


Part No.	A NPTF	B NPTF	Orifice	Es	F	L	C	H
86310-02	1/8	1/8	.217 (5.5)	.551 (14)	.335 (8.5)	1.476 (37.5)	.748 (19)	.827 (21)
86310-04	1/4	1/4	.217 (5.5)	.551 (14)	.512 (13)	1.811 (46)	.748 (19)	.827 (21)
86310-06	3/8	3/8	.315 (8)	.709 (18)	.512 (13)	1.909 (48.5)	.748 (19)	.866 (22)
86310-08	1/2	1/2	.394 (10)	.866 (22)	.669 (17)	2.441 (62)	1.024 (26)	1.201 (30.5)

INCH TUBE x TUBE



Part No.	Tube	Tube	Es	L	C	H
86320-02	1/8	1/8	.551-.591 (14-15)	1.673 (42.5)	.748 (19)	.828 (21)
86320-04	1/4	1/4	.551-.591 (14-15)	1.831 (46.5)	.748 (19)	.828 (21)
86320-06	3/8	3/8	.709-.748 (18-19)	2.382 (60.5)	.748 (19)	.866 (22)

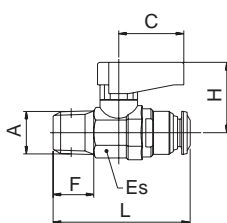


INCH TUBE x MALE

NPTF THREAD



Part No.	Tube	A NPTF	B NPTF	Es	L	C	H
86330-53-02	5/32	1/8	.332 (8.5)	.546 (14)	1.365 (35)	.741 (19)	.819 (21)
86330-04-02	1/4	1/8	.332 (8.5)	.546 (14)	1.574 (40)	.741 (19)	.819 (21)
86330-04-04	1/4	1/4	.488 (12.5)	.546 (14)	1.502 (38.5)	.741 (19)	.819 (21)
86330-06-06	3/8	3/8	.507 (13)	.702 (18)	1.755 (45)	.741 (19)	.858 (22)

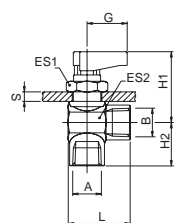


RIGHT ANGLE

NPTF THREAD

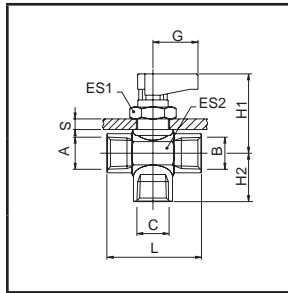


Part No.	A/B	Orifice	ES1	ES2	L	G	H1	H2	S Max
86720-02	1/8	.217 (5.5)	.669 (17)	.669 (17)	1.476 (37.5)	.748 (19)	1.319 (33.5)	.650 (16.5)	.177 (4.5)
86720-04	1/4	.217 (5.5)	.669 (17)	.669 (17)	1.476 (37.5)	.748 (19)	1.319 (33.5)	.650 (16.5)	.177 (4.5)
86720-06	3/8	.276 (7)	.669 (17)	.827 (21)	1.535 (39)	.748 (19)	1.378 (35)	.866 (22)	.177 (4.5)



THREE POSITION (CLOSED CENTER)

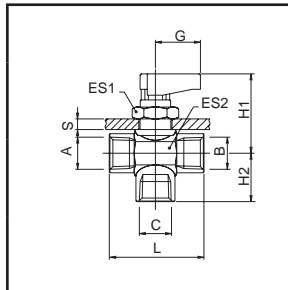
NPTF THREAD



Part No.	A/B/C	Orifice	ES1	ES2	L	G	H1	H2	S Max
86700-02	1/8	.217 (5.5)	.669 (17)	.669 (17)	1.476 (37.5)	.748 (19)	1.319 (33.5)	.650 (16.5)	.177 (4.5)
86700-04	1/4	.217 (5.5)	.669 (17)	.669 (17)	1.476 (37.5)	.748 (19)	1.319 (33.5)	.650 (16.5)	.177 (4.5)
86700-06	3/8	.276 (7)	.669 (17)	.827 (21)	1.909 (48.5)	.748 (19)	1.378 (35)	.866 (22)	.177 (4.5)

THREE POSITION (OPEN CENTER)

NPTF THREAD



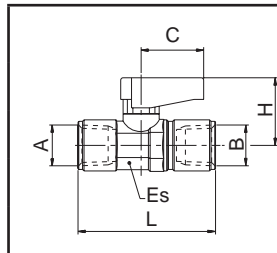
Part No.	A/B/C	Orifice	ES1	ES2	L	G	H1	H2	S Max
86710-02	1/8	.217 (5.5)	.669 (17)	.669 (17)	1.476 (37.5)	.748 (19)	1.319 (33.5)	.650 (16.5)	.177 (4.5)
86710-04	1/4	.217 (5.5)	.669 (17)	.669 (17)	1.476 (37.5)	.748 (19)	1.319 (33.5)	.650 (16.5)	.177 (4.5)
86710-06	3/8	.276 (7)	.669 (17)	.827 (21)	1.909 (48.5)	.748 (19)	1.378 (35)	.866 (22)	.177 (4.5)

MULTI-SOCKET
UNIVERSAL QUICK DISCONNECT



FEMALE x FEMALE

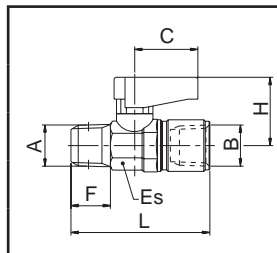
BSPP THREAD



Part No.	A NPTF	B NPTF	Orifice	Es	L	C	H
6300-02	1/8	1/8	.217 (5.5)	.551 (14)	1.417 (36)	.748 (19)	.827 (21)
6300-04	1/4	1/4	.217 (5.5)	.551 (14)	1.692 (43)	.748 (19)	.827 (21)
6300-06	3/8	3/8	.315 (8)	.709 (18)	1.850 (47)	.748 (19)	.866 (22)
6300-08	1/2	1/2	.394 (10)	.866 (22)	2.232 (59)	1.024 (26)	1.201 (30.5)

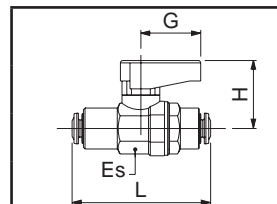
MALE x FEMALE

BSPT THREAD



Part No.	A NPTF	B NPTF	Orifice	Es	F	L	C	H
6310-02	1/8	1/8	.217 (5.5)	.551 (14)	.295 (7.5)	1.417 (36)	.748 (19)	.827 (21)
6310-04	1/4	1/4	.217 (5.5)	.551 (14)	.433 (11)	1.692 (43)	.748 (19)	.827 (21)
6310-06	3/8	3/8	.315 (8)	.709 (18)	.452 (11.5)	1.811 (46)	.748 (19)	.866 (22)
6310-08	1/2	1/2	.394 (10)	.866 (22)	.590 (15)	2.240 (57)	1.024 (26)	1.201 (30.5)

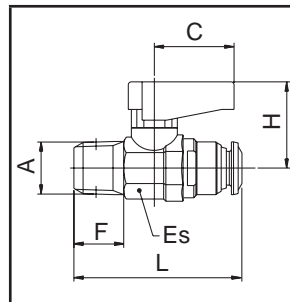
METRIC TUBE x TUBE



Part No.	Tube	Es	L	G	H
6560-4	4	.551 - .590 (14-15)	1.732 (44)	.748 (19)	.826 (21)
6560-6	6	.551 - .590 (14-15)	1.889 (48)	.748 (19)	.826 (21)
6560-8	8	.551 - .590 (14-15)	1.889 (48)	.748 (19)	.826 (21)

METRIC TUBE x MALE

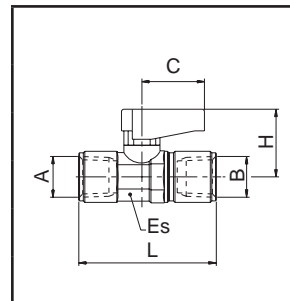
BSPT THREAD



Part No.	Tube	A	F	Es	L	C	H
6570-4-1/8	4	1/8	.334 (8.5)	.551 - .590 (14-15)	1.377 (35)	.748 (19)	.826 (21)
6570-6-1/8	6	1/8	.334 (8.5)	.551 - .590 (14-15)	1.574 (40)	.748 (19)	.826 (21)
6570-8-1/8	8	1/8	.334 (8.5)	.551 - .590 (14-15)	1.633 (41.5)	.748 (19)	.826 (21)
6570-6-1/4	6	1/4	.492 (12.5)	.551 - .590 (14-15)	1.515 (38.5)	.748 (19)	.826 (21)
6570-8-1/4	8	1/4	.492 (12.5)	.551 - .590 (14-15)	1.791 (45.5)	.748 (19)	.866 (22)

FEMALE x FEMALE

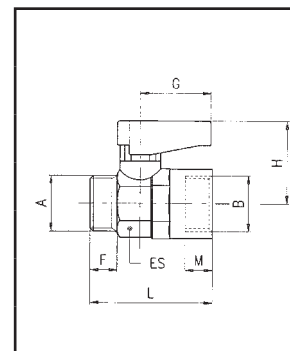
G THREAD



Part No.	A/B	ES	F	M	L	C	H
6400-1/8	1/8	.551 - .590 (14-15)	.275 (7)	.275 (7)	1.377 (35)	.748 (19)	.826 (21)
6400-1/4	1/4	.551 - .590 (14-15)	.314 (8)	.314 (8)	1.456 (37)	.748 (19)	.826 (21)
6400-3/8	3/8	.708 - .748 (18-19)	.354 (9)	.354 (9)	1.653 (42)	.748 (19)	.866 (22)
6400-1/2	1/2	.866 - .905 (22-23)	.393 (10)	.393 (10)	1.929 (49)	1.023 (26)	1.200 (30.5)
6400-3/4	3/4	1.102 - 1.181 (28-30)	.472 (12)	.472 (12)	2.283 (58)	1.023 (26)	1.299 (33)

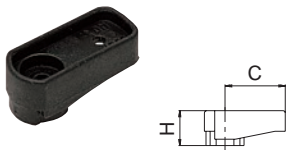
MALE x FEMALE

G THREAD



Part No.	A/B	ES	F	M	L	G	H
6410-1/8-1/8	1/8-1/8	.551 - .590 (14-15)	.275 (7)	.275 (7)	1.338 (34)	.748 (19)	.826 (21)
6410-1/4-1/8	1/4-1/8	.551 - .590 (14-15)	.314 (8)	.275 (7)	1.377 (35)	.748 (19)	.826 (21)
6410-1/4-1/4	1/4-1/4	.551 - .590 (14-15)	.314 (8)	.314 (8)	1.377 (35)	.748 (19)	.826 (21)
6410-3/8-3/8	3/8-3/8	.708 - .748 (18-19)	.354 (9)	.354 (9)	1.535 (39)	.748 (19)	.866 (22)
6410-1/2-1/2	1/2-1/2	.866 - .905 (22-23)	.393 (10)	.393 (10)	1.771 (45)	1.023 (26)	1.200 (30.5)
6410-3/4-3/4	3/4-3/4	1.102 - 1.181 (28-30)	.472 (12)	.472 (12)	2.047 (52)	1.023 (26)	1.299 (33)

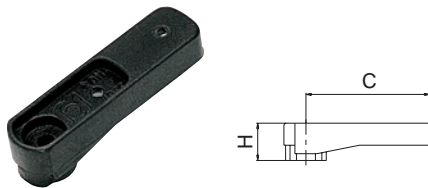
STANDARD HANDLE



Part No.	C	H
86900-02	.748 (19)	.433 (11)
86900-08	1.024 (26)	.590 (15)

86900-02 for 1/8, 1/4, 3/8 valves
86900-08 for 1/2 valve

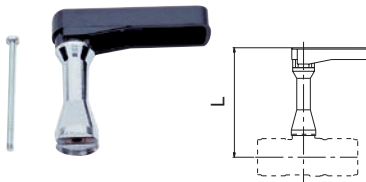
LONG HANDLE



Part No.	C	H
86910-02	1.378 (35)	.433 (11)
86910-08	1.968 (50)	.590 (15)

86910-02 for 1/8, 1/4, 3/8 valves
86910-08 for 1/2 valve

STEM EXTENSION KIT



Part No.	Valve Size	L
86915-02	1/8	2.283 (58)
86915-02	1/4	2.283 (58)
86915-02	3/8	2.323 (59)
86915-08	1/2	2.677 (68)

COLOR PLATE



Part No.	L
86920-01 -02 -03 -04 -05	.885 (22.5)
86921-01 -02 -03 -04 -05	1.220 (31)

86920 for 1/8, 1/4, 3/8 valves
86921 for 1/2 valve

01 Blue (Standard Color)

Available colors:

02 Red 03 Green 04 Yellow 05 White

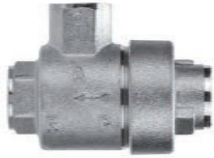


1000 SERIES NICKLE PLATED PUSH ON FITTINGS



ACCESSORIES

QUICK EXHAUST VALVE NPTF THREAD

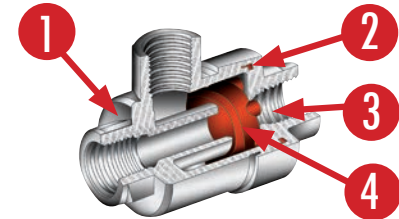


WARNING!
This valve exhausts to atmosphere. DO NOT use toxic, corrosive or flammable media.

Part No.	A NPTF	M1	M2	Es
82650 02	1/8	1.653 (42)	.768 (19.5)	.591 (15)
82650 04	1/4	2.125 (54)	.984 (25)	.748 (19)
82650 06	3/8	2.381 (60.5)	1.043 (26.5)	.866 (22)
82650 08	1/2	2.834 (72)	1.260 (32)	1.024 (26)
82650 12	3/4	3.664 (88)	1.457 (37)	1.260 (32)
82650 16	1	4.291 (109)	1.890 (48)	1.811 (46)

COMPONENT SPECIFICATIONS

- 1. **Body** Nickel-plated brass
- 2. **Cap seal** Nylon
- 3. **Cap** Nickel-plated brass
- 4. **Piston** NBR 70/Polyurethane



Pressure range 0 - 150 psi
Temperature range Min: 0° F
Max: 160° F

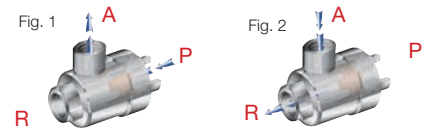


Fig. 1: System pressure is applied to the inlet port (P), flow is directed to cylinder port (A).

Fig. 2: When system pressure (P) is dropped, exhaust air in the cylinder (A) is discharged directly from the exhaust port (R).

SLIDE VALVE FEMALE NPTF THREAD



WARNING!
This valve exhausts to atmosphere. DO NOT use toxic, corrosive or flammable media.

Part No.	A NPTF	B	L	Es
82660 02	1/8	.984 (25)	1.890 (48)	.551 (14)
82660 04	1/4	1.181 (30)	2.283 (58)	.669 (17)
82660 06	3/8	1.378 (35)	2.756 (70)	.866 (22)
82660 08	1/2	1.575 (40)	3.150 (80)	1.024 (26)

COMPONENT SPECIFICATIONS

- 1. **Sleeve** Aluminum
- 2. **Body** Chrome-plated brass
- 3. **Seal** NBR 70
- 4. **Snap ring** Steel



Pressure range 0 - 150 psi
Temperature range Min: 0° F
Max: 160° F



ON: In the "on" or open position, pressure flows from the inlet through a series of radial holes in the body to the air circuit

OFF: Moving the sleeve to the "off" or closed position allows air from the circuit to be exhausted to the atmosphere.

CHECK VALVES

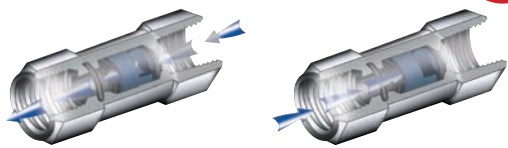
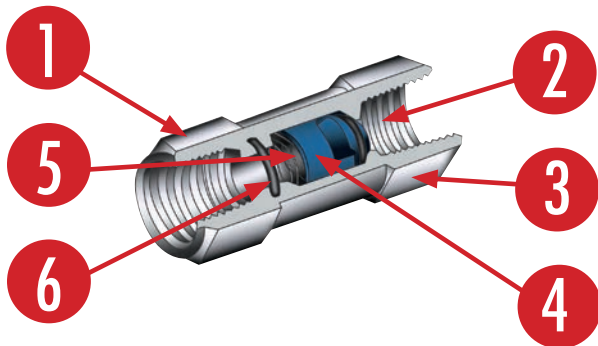


Figure 1

Figure 2

(Figure 1) Full flow in one direction
(Figure 2) Check or stop flow in the other direction

COMPONENT SPECIFICATIONS

- | | |
|------------------------|---------------------|
| 1. Body | Nickel Plated Brass |
| 2. End Cap | Nickel Plated Brass |
| 3. End Cap Seal | NBR 70 / Viton |
| 4. Spring | Steel |
| 5. Piston | Nickel Plated Brass |
| 6. Piston Seal | NBR 70 / Viton |

Pressure Range	3 - 120 psi
Cracking Pressure	3 psi
Maximum Pressure	150 psi
Temperature range	Min: 0° F (-18° C) Max: 160° F (70° C)

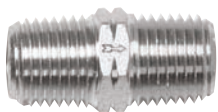
FEMALE x FEMALE



NPTF THREAD

Part No.	A	L	ES
82662-02	1/8	1.437 (36.5)	.512 (13)
82662-04	1/4	1.850 (47)	.669 (17)

MALE x MALE

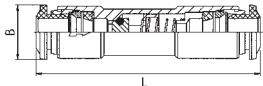


NPTF THREAD

Part No.	A	L	ES	H
82663-04	1/4	1.220 (31)	.551 (14)	.512 (13)
82663-06	3/8	1.220 (31)	.748 (19)	.512 (13)

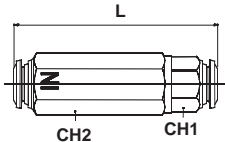
INCH TUBE x TUBE



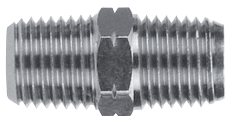
	Part No.	Tube	L	B
	82664-04	1/4	2.047 (52)	.512 (13)
82664-06	3/8	2.244 (57)	.669 (17)	

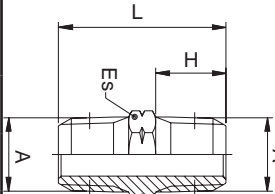
INLINE FILTER



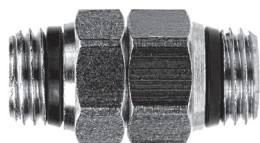
	Part No.	Tube	L	CH1	CH2
	82670VM-04	1/4	2.579 (65.5)	.748 (19)	.512 (13)
82670VM-06	3/8	2.834 (72)	.748 (19)	.669 (17)	

HEX NIPPLE

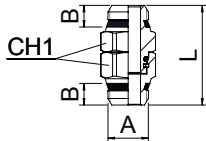


	Part No.	A NPTF	H	L	ES
	82200N-02	1/8	.335 (8.5)	.846 (21.5)	.472 (12)
82200N-04	1/4	.512 (13)	1.220 (31)	.551 (14)	
82200N-06	3/8	.512 (13)	1.220 (31)	.748 (19)	
82200N-08	1/2	.669 (17)	1.575 (40)	.866 (22)	

NEW



SWIFT-FIT
Metallic

	Part No.	A SWIFT	B	L	CH1
	82201-04-04	1/4	.275(7)	1.279(32.5)	.630(16)
82201-06-06	3/8	.295(7.5)	1.240(31.5)	.787(20)	

NEW

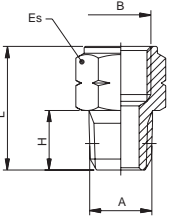


	Part No.	A SWIFT	B SWIFT	B	L	CH1	CH2
	82203-04-04	1/4	1/4	.275(7)	1.476(37.5)	.630(16)	.630(16)
82203-06-06	3/8	3/8	.295(7.5)	1.417(36)	.787(20)	.787(20)	
82203-06-04	3/8	1/4	.275(7)	1.496(38)	.787(20)	.630(16)	

NPTF THREAD

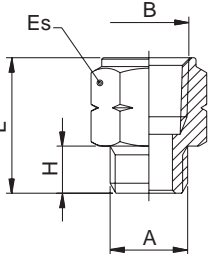
ADAPTER FEMALE G THREAD - MALE NPTF



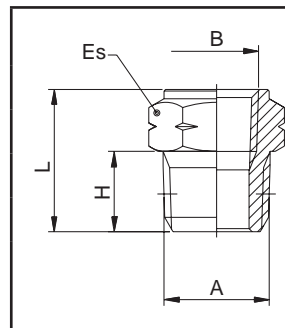
	Part No.	A NPTF	B ISO228	H	L	ES
	82241N-32-M5	10/32 UNF	M5	.177 (4.5)	.472 (12)	.315 (8)
82241N-02-02	1/8	1/8	.335 (8.5)	.768 (19.5)	.551 (14)	
82241N-04-04	1/4	1/4	.512 (13)	1.063 (27)	.669 (17)	
82241N-06-06	3/8	3/8	.512 (13)	1.102 (28)	.866 (22)	

ADAPTER FEMALE NPTF - MALE G THREAD



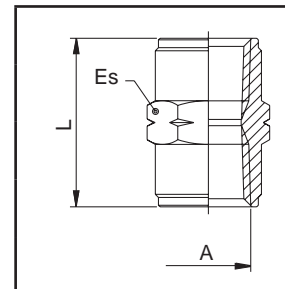
	Part No.	A ISO228	B NPTF	H	L	ES
	82242N-02	1/8	1/8	.236 (6)	.669 (17)	.551 (14)
82242N-04	1/4	1/4	.315 (8)	.906 (23)	.669 (17)	
82242N-06	3/8	3/8	.354 (9)	.945 (24)	.866 (22)	
82242N-08	1/2	1/2	.472 (12)	1.240 (31.5)	1.063 (27)	

REDUCER FEMALE - MALE NPTF



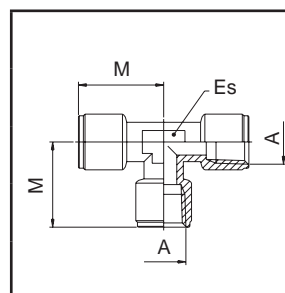
Part No.	A NPTF	B NPTF	H	L	ES
82280N-02-32	1/8	10/32	.335 (8.5)	.571 (14.5)	.472 (12)
82280N-04-02	1/4	1/8	.512 (13)	.748 (19)	.551 (14)
82280N-06-02	3/8	1/8	.512 (13)	.768 (19.5)	.748 (19)
82280N-06-04	3/8	1/4	.512 (13)	.906 (23)	.748 (19)
82280N-08-04	1/2	1/4	.669 (17)	.965 (24.5)	.866 (22)
82280N-08-06	1/2	3/8	.335 (8.5)	.571 (14.5)	.472 (12)

COUPLING FEMALE NPTF



Part No.	A NPTF	L	ES
82300N-02	1/8	.748 (19)	.551 (14)
82300N-04	1/4	1.063 (27)	.669 (17)
82300N-06	3/8	1.063 (27)	.866 (22)
82300N-08	1/2	1.378 (35)	1.063 (27)

TEE FEMALE NPTF



Part No.	A NPTF	M	ES
82400N-02	1/8	.669 (19.5)	.551 (12)
82400N-04	1/4	.906 (26)	.511 (13)
82400N-06	3/8	.945 (28.5)	.866 (16)
82400N-08	1/2	1.240 (33.5)	1.063 (20)

ELBOW - FEMALE NPTF



	Part No.	A NPTF	M	ES
	82510N-02	1/8	.846 (21.5)	.433 (11)
	82510N-04	1/4	1.083 (27.5)	.512 (13)
	82510N-06	3/8	1.161 (29.5)	.669 (17)
	82510N-08	1/2	1.339 (34)	.787 (20)

ELBOW FEMALE - MALE NPTF



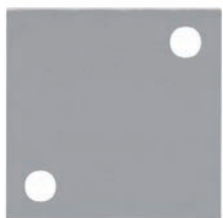
	Part No.	A NPTF	H	M1	M2	ES
	82520N-02	1/8	.335 (8.5)	.827 (21)	.748 (19)	.433 (11)
	82520N-04	1/4	.512 (13)	1.083 (27.5)	1.004 (25.5)	.512 (13)
	82520N-06	3/8	.512 (13)	1.161 (29.5)	1.083 (27.5)	.669 (17)
	82520N-08	1/2	.669 (17)	1.339 (34)	1.260 (32)	.787 (20)

CROSS FEMALE NPTF



	Part No.	A NPTF	M	ES
	82620N-02	1/8	.787 (20)	.433 (11)
	82620N-04	1/4	1.063 (27)	.512 (13)
	82620N-06	3/8	1.142 (29)	.669 (17)

ALUMINUM DISTRIBUTION BLOCK FEMALE



	Part No.	A NPTF	L	S	F	C
	82640N-02	1/8	.984 (25)	.630 (16)	.177 (4.5)	.169 (4.3)
	82640N-04	1/4	1.575 (40)	.787 (20)	.217 (5.5)	.256 (6.5)
	82640N-06	3/8	1.969 (50)	.984 (25)	.217 (5.5)	.295 (7.5)
	82640N-08	1/2	1.969 (50)	1.181 (30)	.217 (5.5)	.295 (7.5)

SINGLE BANJO BODY



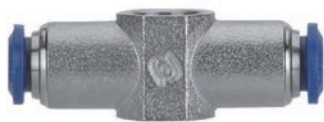
	Part No.	Tube	A	B	L	CH
	89500-02-02	1/8	1/8	.591 (15)	.767 (19.5)	.551 (14)
	89500-53-32	5/32	10/32	.492 (12.5)	.748 (19)	-
	89500-53-02	5/32	1/8	.591 (15)	.827 (21)	.551 (14)
	89500-04-02	1/4	1/8	.591 (15)	.885 (22.5)	.551 (14)
	89500-04-04	1/4	1/4	.669 (17)	.984 (25)	.709 (18)
	89500-06-04	3/8	1/4	.669 (17)	1.142 (29)	.709 (18)
	89500-06-06	3/8	3/8	.787 (20)	1.201 (30.5)	.827 (21)
	89500-08-06	1/2	3/8	.787 (20)	1.259 (32)	.827 (21)
	89500-08-08	1/2	1/2	.944 (24)	1.377 (35)	.984 (25)

SINGLE BANJO BODY



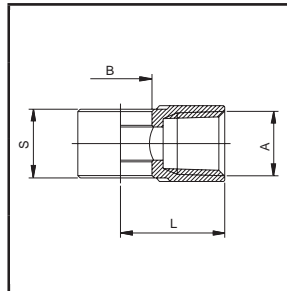
	Part No.	Tube	A	B	L	CH
	88500-02-02	1/8	1/8	.591 (15)	.767 (19.5)	.551 (14)
	88500-53-32	5/32	10/32	.492 (12.5)	.748 (19)	-
	88500-53-02	5/32	1/8	.591 (15)	.827 (21)	.551 (14)
	88500-04-02	1/4	1/8	.591 (15)	.885 (22.5)	.551 (14)
	88500-04-04	1/4	1/4	.669 (17)	.984 (25)	.709 (18)
	88500-06-04	3/8	1/4	.669 (17)	1.142 (29)	.709 (18)
	88500-06-06	3/8	3/8	.787 (20)	1.201 (30.5)	.827 (21)
	88500-08-06	1/2	3/8	.787 (20)	1.259 (32)	.827 (21)
	88500-08-08	1/2	1/2	.944 (24)	1.377 (35)	.984 (25)

DOUBLE BANJO BODY



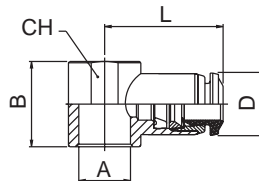
	Part No.	Tube	A	B	L	CH
	88510-53-32	5/32	10/32	.492 (12.5)	1.496 (38)	-
	88510-04-02	1/4	1/8	.591 (15)	1.732 (44)	.551 (14)
	88510-04-04	1/4	1/4	.669 (17)	1.968 (50)	.709 (18)

SINGLE BANJO BODY FEMALE NPTF



Part No.	A NPTF	B	L	S	CH
82690-02	1/8	.394 (10)	.649 (16.5)	.590 (15)	.551 (14)
82690-04	1/4	.524 (13.3)	.866 (22)	.669 (17)	.708 (18)
82690-06	3/8	.688 (17.5)	1.043 (26.5)	.787 (20)	.827 (21)

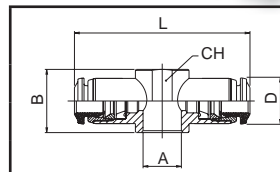
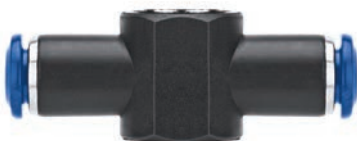
SINGLE BANJO BODY NEW



Part No.	TUBE	A SWIFT	B	L	CH	D
85500-02-02	1/8	1/8	.649(16.5)	.807(2.5)	.551(14)	.339(10)
85500-53-M5	4(5/32)	M5	.551(14)	.807(2.5)	.354(9)	.339(10)
85500-53-M6	4(5/32)	M6	.551(14)	.807(2.5)	.354(9)	.339(10)
85500-53-02	4(5/32)	1/8	.551(14)	.846(21.5)	.551(14)	.339(10)
85500-53-04	4(5/32)	1/4	.728(18.5)	.925(23.5)	.708(18)	.339(10)
85500-04-M6	1/4	M6	.551(14)	.826(21)	.354(9)	.472(12)
85500-04-02	1/4	1/8	.649(16.5)	.905(23)	.551(14)	.472(12)
85500-04-04	1/4	1/4	.728(18.5)	1.003(25.5)	.708(18)	.472(12)
85500-05-02	8(5/16)	1/8	.649(16.5)	.925(23.5)	.551(14)	.551(14)
85500-05-04	8(5/16)	1/4	.728(18.5)	1.023(26)	.708(18)	.551(14)
85500-05-3/8	8(5/16)	3/8	.866(22)	1.082(27.5)	.826(21)	.551(14)
85500-06-3/8	3/8	3/8	.866(22)	1.2(3.5)	.826(21)	.669(17)
85500-08-06	1/2	3/8	.866(22)	1.2(3.5)79	.826(21)	.787(20)
85500-08-08	1/2	1/2	1.023(26)	1.377(35)	1.023(26)	.787(20)

REMOVE THE NYLON WASHERS WHEN THE BANJO IS ASSEMBLED WITH THE STEM

DOUBLE BANJO BODY NEW



Part No.	TUBE	A SWIFT	B	L	CH	D
85510-53-02	4(5/32)	1/8	.551(14)	1.692(43)	.551(14)	.339(10)
85510-05-02	8(5/16)	1/8	.649(16.5)	1.85(47)	.551(14)	.551(14)
85510-05-04	8(5/16)	1/4	.728(18.5)	2.047(52)	.708(18)	.551(14)

REMOVE THE NYLON WASHERS WHEN THE BANJO IS ASSEMBLED WITH THE STEM

SINGLE BANJO BODY METRIC



	Part No.	TUBE	A SWIFT	B	L	CH
	89500-53-32	4(5/32)	M5(10/32)	.492(12.5)	.748(19)	-
	57500-4-M6	4(5/32)	M6	.492(12.5)	.748(19)	-
	89500-53-02	4(5/32)	1/8	.59(15)	.816(21)	.551(14)
	57500-5-M5	5	M5	.492(12.5)	.787(20)	-
	57500-5-M6	5	M6	.492(12.5)	.787(20)	-
	57500-5-1/8	5	1/8	.59(15)	.816(21)	.551(14)
	57500-5-1/4	5	1/4	.669(17)	.944(24)	.708(18)
	57500-6-M5	6	M5	.492(12.5)	.787(20)	-
	57500-6-M6	6	M6	.492(12.5)	.787(20)	-
	57500-6-1/8	6	1/8	.59(15)	.866(22)	.551(14)
	57500-6-1/4	6	1/4	.669(17)	.984(25)	.708(18)
	89500-05-02	8(5/16)	1/8	.59(15)	.944(24)	.551(14)
	89500-05-04	8(5/16)	1/4	.669(17)	1.023(26)	.708(18)
	89500-05-06	8(5/16)	3/8	.787(20)	1.102(28)	.816(21)
	57500-10-1/4	10	1/4	.669(17)	1.141(29)	.708(18)
	57500-10-3/8	10	3/8	.787(20)	1.2(3.5)	.816(21)
	57500-12-3/8	12	3/8	.787(20)	1.279(32.5)	.816(21)
	57500-12-1/2	12	1/2	.944(24)	1.377(35)	.984(25)
57500-14-1/2	14	1/2	.944(24)	1.397(35.5)	.984(25)	

DOUBLE BANJO BODY METRIC



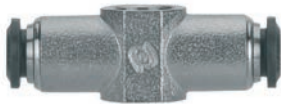
	Part No.	TUBE	A SWIFT	B	L	CH
	89510-53-32	4(5/32)	M5(10/32)	.492(12.5)	1.496(38)	-
	57510-4-M6	4(5/32)	M6	.492(12.5)	1.496(38)	-
	89510-53-02	4(5/32)	1/8	.59(15)	1.653(42)	.551(14)
	57510-5-1/8	5	1/8	.59(15)	1.692(43)	.551(14)
	57510-5-1/4	5	1/4	.669(17)	1.929(49)	.708(18)
	57510-6-1/8	6	1/8	.59(15)	1.732(44)	.551(14)
	57510-6-1/4	6	1/4	.669(17)	1.968(50)	.708(18)
	89510-05-02	8(5/16)	1/8	.59(15)	1.899(48)	.551(14)
	89510-05-04	8(5/16)	1/4	.669(17)	2.047(52)	.708(18)

SINGLE BANJO BODY METRIC



	Part No.	Tube	A	B	L	CH
	50500N-3-M5	3	M5	.492 (12.5)	.748 (19)	-
	50500N-3-M6	3	M6	.492 (12.5)	.748 (19)	-
	50500N-4-M5	4	M5	.492 (12.5)	.748 (19)	-
	50500N-4-M6	4	M6	.492 (12.5)	.748 (19)	-
	50500N-4-1/8	4	1/8	.590 (15)	.827 (21)	.551 (14)
	50500N-5-M5	5	M5	.492 (12.5)	.787(20)	-
	50500N-5-M6	5	M6	.492 (12.5)	.787(20)	-
	50500N-5-1/8	5	1/8	.590 (15)	.846 (21.5)	.551 (14)
	50500N-5-1/4	5	1/4	.699 (17)	.964 (24.5)	.709 (18)
	50500N-6-M5	6	M5	.492 (12.5)	.807 (20.5)	-
	50500N-6-M6	6	M6	.492 (12.5)	.807 (20.5)	-
	50500N-6-1/8	6	1/8	.590 (15)	.866 (22)	.551 (14)
	50500N-6-1/4	6	1/4	.699 (17)	.984 (25)	.709 (18)
	50500N-8-1/8	8	1/8	.590 (15)	.945 (24)	.551 (14)
	50500N-8-1/4	8	1/4	.699 (17)	1.021 (26)	.709 (18)
	50500N-8-3/8	8	3/8	.787(20)	1.102 (28)	.827 (21)
	50500N-10-1/4	10	1/4	.699 (17)	1.142 (29)	.709 (18)
	50500N-10-3/8	10	3/8	.787(20)	1.201 (30.5)	.827 (21)
	50500N-12-3/8	12	3/8	.787(20)	1.280 (32.5)	.827 (21)
	50500N-12-1/2	12	1/2	.945 (24)	1.378 (35)	.984 (25)
	50500N-14-1/2	14	1/2	.945 (24)	1.398 (35.5)	.984 (25)

DOUBLE BANJO BODY METRIC

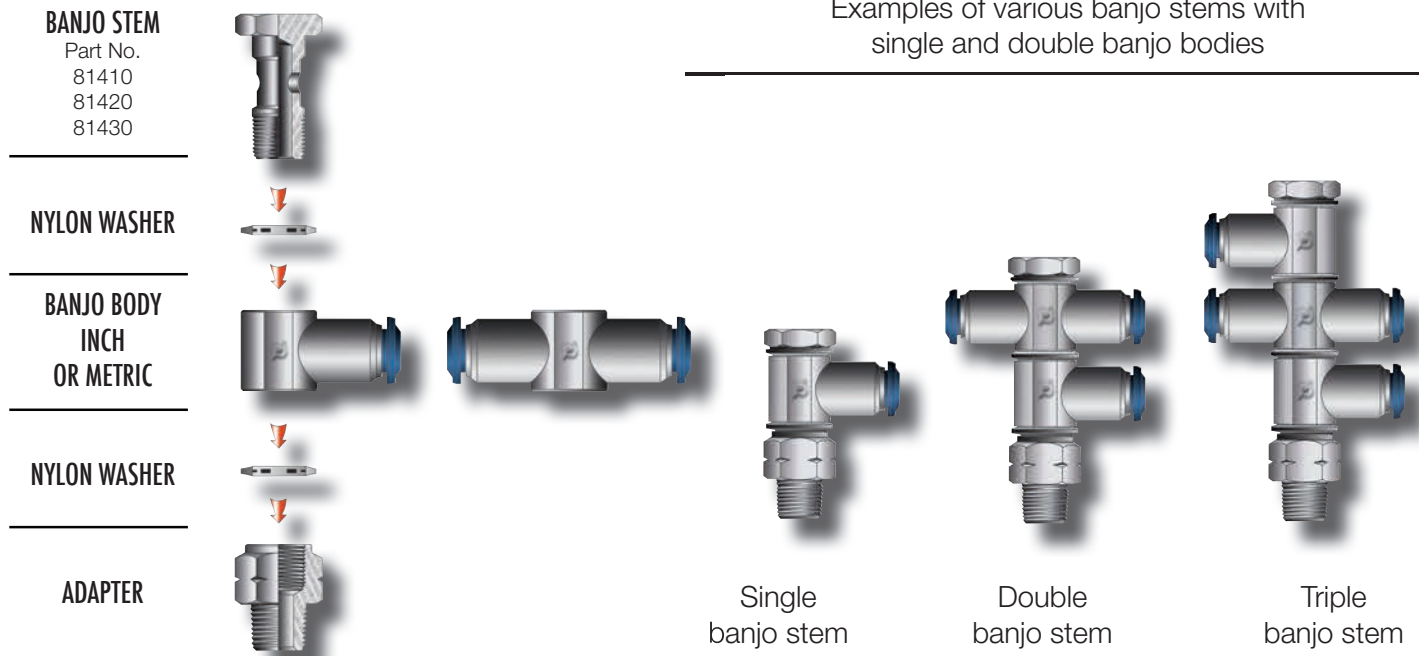


	Part No.	Tube	A	B	L	CH
	50510N-1 1/8	4 (5/32)	1/8	.492 (12.5)	1.496 (38)	-
	50510-6 1/8	1/6	1/8	.591 (15)	1.732 (44)	.551 (14)
	50510-6 1/4	1/6	1/4	.669 (17)	1.968 (50)	.709 (18)

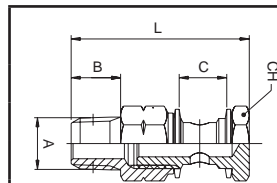
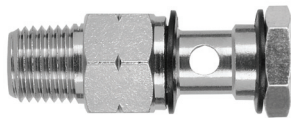
BANJO STEM NPTF

BANJO STEM ASSEMBLIES

Examples of various banjo stems with single and double banjo bodies

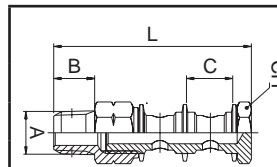
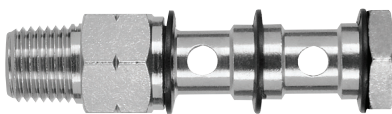


SINGLE BANJO STEM NPTF



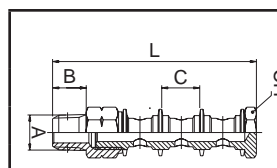
Part No.	A	B	C	L	CH
81410-32	10/32	.177 (4.5)	.492 (12.5)	1.2 (30.5)	.315 (8)
81410-02	1/8	.334 (8.5)	.591 (15)	1.653 (42)	.551 (14)
81410-04	1/4	.511 (13)	.669 (17)	2.047 (52)	.669 (17)
81410-06	3/8	.511 (13)	.787 (20)	2.106 (53.5)	.748 (19)

DOUBLE BANJO STEM NPTF



Part No.	A	B	C	L	CH
81420-02	1/8	.334 (8.5)	.591 (15)	2.283 (58)	.551 (14)
81420-04	1/4	.511 (13)	.669 (17)	2.755 (70)	.669 (17)
81420-06	3/8	.511 (13)	.787 (20)	3.031 (77)	.748 (19)

TRIPLE BANJO STEM NPTF



Part No.	A	B	C	L	CH
81430-02	1/8	.334 (8.5)	.591 (15)	2.913 (74)	.551 (14)
81430-04	1/4	.511 (13)	.669 (17)	3.464 (88)	.669 (17)
81430-06	3/8	.511 (13)	.787 (20)	3.897 (79)	.748 (19)

BANJO STEM ASSEMBLIES

Examples of various banjo stems with single and double banjo bodies

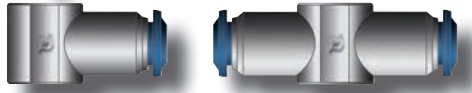
BANJO STEM
Part No.
51410
51420
51430



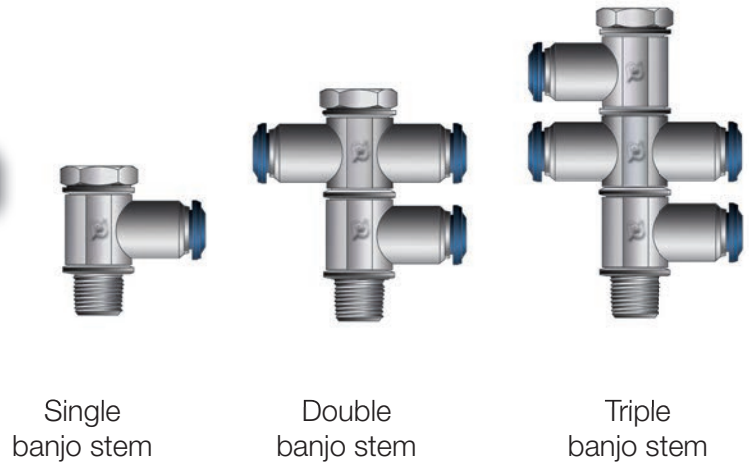
NYLON WASHER



BANJO BODY
INC
OR
METRIC



NYLON WASHER



Single banjo stem

Double banjo stem

Triple banjo stem

SINGLE BANJO STEM BSPP



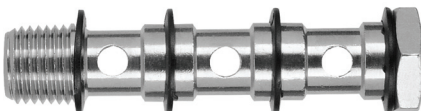
Part No.	A	B	C	L	CH
51410-M5	M5	.157 (4)	.492 (12.5)	.906 (23)	.315 (8)
51410-02	1/8	.236 (6)	.591 (15)	1.102 (28)	.551 (14)
51410-04	1/4	.315 (8)	.669 (17)	1.260 (32)	.669 (17)
51410-06	3/8	.354 (9)	.787 (20)	1.417 (36)	.748 (19)

DOUBLE BANJO STEM BSPP



Part No.	A	B	C	L	CH
51420-02	1/8	.236 (6)	.591 (15)	1.752 (44.5)	.551 (14)
51420-04	1/4	.315 (8)	.669 (17)	1.988 (50.5)	.669 (17)
51420-06	3/8	.354 (9)	.787 (20)	2.283 (58)	.748 (19)

TRIPLE BANJO STEM BSPP



Part No.	A	B	C	L	CH
51430-02	1/8	.236 (6)	.591 (15)	2.402 (61)	.551 (14)
51430-04	1/4	.315 (8)	.669 (17)	2.717 (69)	.669 (17)
51430-06	3/8	.354 (9)	.787 (20)	3.150 (80)	.748 (19)

NYLON TUBING



Compound	Nylon 11
Temperature range	-60° F to +200° F
Diameter tolerance	+.002 - .004 (all sizes)
Vacuum rating	To 28" Hg
Colors	Natural or black Consult factory for other colors
Hardness	78 Rockwell R

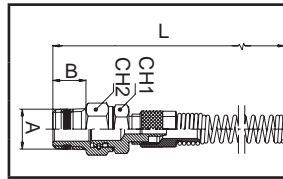
Part No.	OD	ID	Wall	Color	Working pressure		Bend radius	Standad Pack
					@ 75° F	@ 150° F		
N11-021-100	1/8	.93	.016	Black	225 PSI	123 PSI	.375	100' Bag
N11-022-100	1/8	.93	.016	Natural	225 PSI	123 PSI	.375	100' Bag
N11-531-100	5/32	.108	.016	Black	225 PSI	123 PSI	.375	100' Bag
N11-532-100	5/32	.108	.016	Natural	225 PSI	123 PSI	.375	100' Bag
N11-041-100	1/4	.205	.035	Black	265 psi	141 psi	.875	100' Bag
N11-042-100	1/4	.205	.016	Natural	225 PSI	123 PSI	.375	100' Bag
N11-051-100	5/16	.232	.016	Black	225 PSI	123 PSI	.375	100' Bag
N11-052-100	5/16	.232	.016	Natural	225 PSI	123 PSI	.375	100' Bag
N11-061-100	3/8	.275	.016	Black	225 PSI	123 PSI	.375	100' Bag
N11-062-100	3/8	.275	.016	Natural	225 PSI	123 PSI	.375	100' Bag
N11-081-100	1/2	.375	.016	Black	225 PSI	123 PSI	.375	100' Bag
N11-082-100	1/2	.375	.016	Natural	225 PSI	123 PSI	.375	100' Bag

TUBE CUTTER

PART NUMBER: 1750



RECOIL FITTING



Part No.	A	B	C	L	CH
81026-04	1/4	.236 (6)	.591 (15)	2.402 (61)	.551 (14)
81026-06	3/8	.315 (8)	.669 (17)	2.717 (69)	.669 (17)
81026-08	1/2	.354 (9)	.787 (20)	3.150 (80)	.748 (19)

RECOIL ASSEMBLIES



Part No.	Fitting Male NPTF	ID	OD	Length			Coil Diameter	Working Pressure	
				Straight	Working	Retracted		@ 75° F	@ 150° F
R811-043-012	1/4	1/4	.309	12	10 1/2	5 1/4	3 1/2	185PSI	100 PSI
R811-043-025	1/4	1/4	.309	25	22	10 1/2	3 1/2	185PSI	100 PSI
R811-043-050	1/4	1/4	.309	50	44	21	3 1/2	185PSI	100 PSI
R811-043-100	1/4	1/4	.309	100	88	42	3 1/2	185PSI	100 PSI
R811-053-012	3/8	3/8	.470	12	10	5	5 5/8	165PSI	85 PSI
R811-053-025	3/8	3/8	.470	25	10	10 1/4	5 5/8	165PSI	85 PSI
R811-053-050	3/8	3/8	.470	50	10	20 1/4	5 5/8	165PSI	85 PSI
R811-053-100	3/8	3/8	.470	100	10	41	5 5/8	165PSI	85 PSI
R811-083-012	1/2	1/2	.625	12	8.5	4 1/4	9	170PSI	100 PSI
R811-083-025	1/2	1/2	.625	25	18	9	9	170PSI	100 PSI
R811-083-050	1/2	1/2	.625	50	36	18	9	170PSI	100 PSI
R811-083-100	1/2	1/2	.625	100	72	36	9	170PSI	100 PSI



SPECIALTY
MANUFACTURING



ALPHA CAN PRODUCE SPECIAL PRODUCTS TO MEET YOUR SPECIFIC REQUIREMENTS. CONSULT FACTORY FOR DETAILS.

STRAIGHT MALE FKM



	Part No.	Tube	A SWIFT	B	L	CH1	CH2
	89000VM 04-02	1/4	1/8	.217 (5.5)	.846 (21.5)	.512 (13)	.157 (4)
	89000VM 04-04	1/4	1/4	.276 (7)	.807 (20.5)	.551 (14)	.157 (4)

SWIVEL ELBOW FKM



	Part No.	Tube	A SWIFT	B	L1	L2	CH1	CH2
	89110VM 04-02	1/4	1/8	.276 (7)	.885 (22.5)	.776 (19.7)	.433 (11)	.511 (13)
	57110VM 12-3/8	12mm	3/8	.354 (9)	1.201 (30.5)	1.051 (26.7)	.630 (16)	.669 (17)

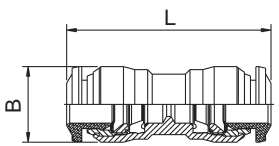
SWIVEL TEE FKM



	Part No.	Tube	A SWIFT	B	L1	L2	CH1	CH2
	89210VM 04-02	1/4	1/8	.216 (5.5)	1.574 (40)	.787 (20)	.433 (11)	.511 (13)
	89210VM 04-04	1/4	1/4	.275 (7)	1.574 (40)	.846 (21.5)	.433 (11)	.629 (16)

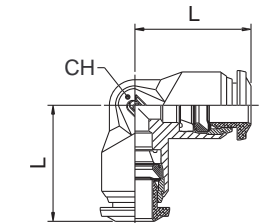
TUBE UNION FKM



	Part No.	Tube	B	L
	89040VM-04	1/4	.217 (5.5)	.846 (21.5)

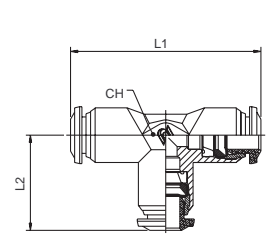
UNION ELBOW FKM



	Part No.	Tube	Tube	L	CH
	89130VM-04	1/4	1/4	.826 (21)	.433 (11)
	57130VM-12	12mm	12mm	1.200 (30.5)	.748 (19)
	57130VM-06-12	3/8	12mm	1.024 (26)	.630 (16)

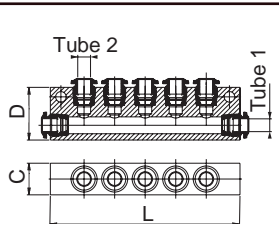
UNION TEE FKM



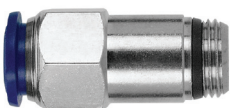
	Part No.	Tube	L1	L2	CH
	89230VM-04	1/4	1.654 (42)	.827 (21)	.433 (11)
	57230VM-12	12mm	2.402 (61)	1.201 (30.5)	.748 (19)

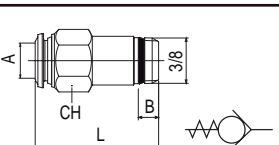
MANIFOLD



	Part No.	Tube 1	Tube 2	C	D	L
	80900-53-04	5/32	1/4	.590 (15)	.984 (25)	3.230 (82)
	80900-04-04	1/4	1/4	.590 (15)	.984 (25)	3.230 (82)

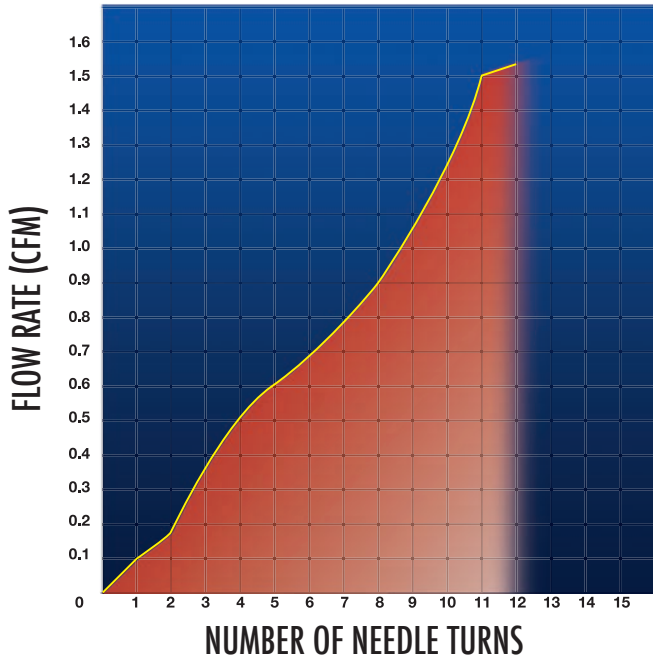
CHECK VALVE



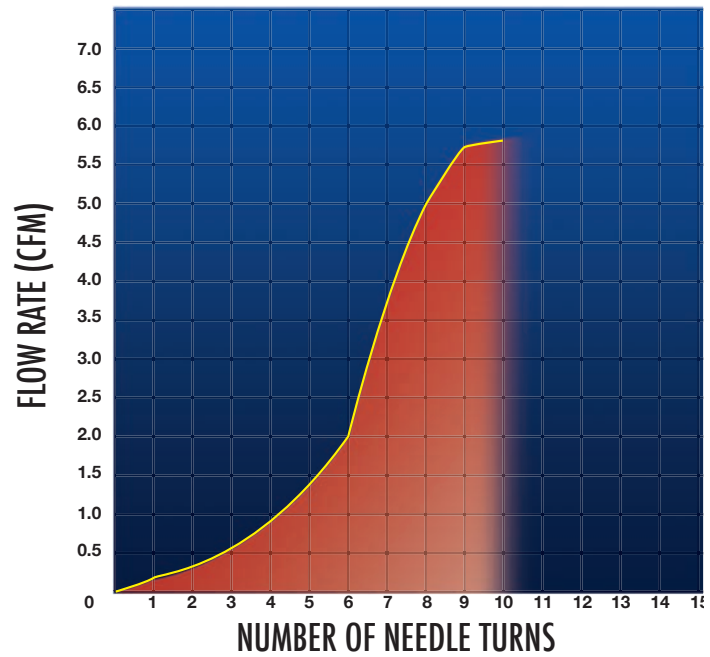
	Part No.	Tube	A SWIFT	B	L	CH
	82000-08-06	1/2	3/8	.295 (7.5)	1.791 (45.5)	.787 (20)

FLOW CONTROL SPECIFICATIONS

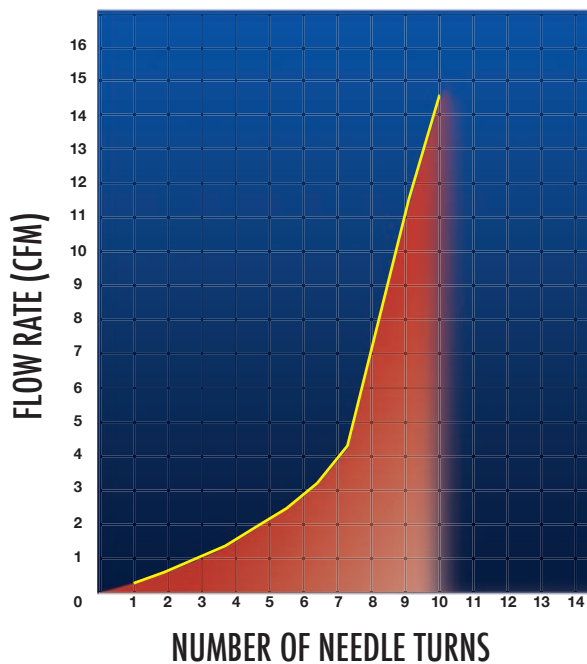
FLOW CONTROL VALVES 10/32"



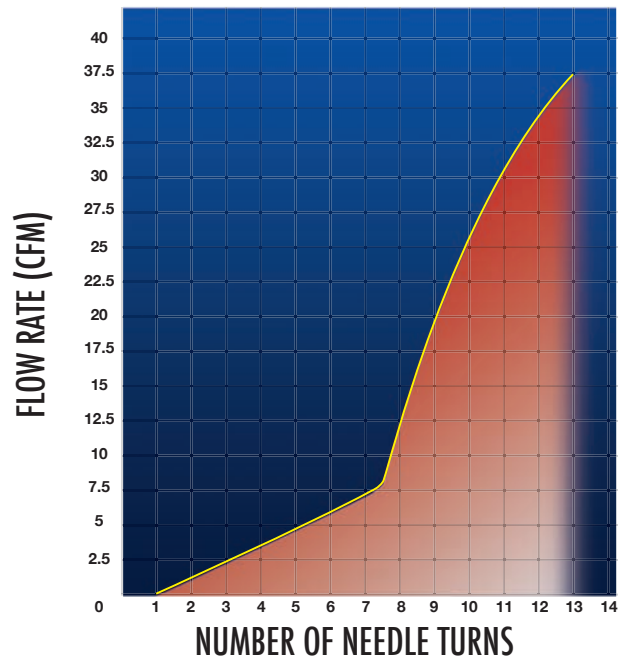
FLOW CONTROL VALVES 1/8"



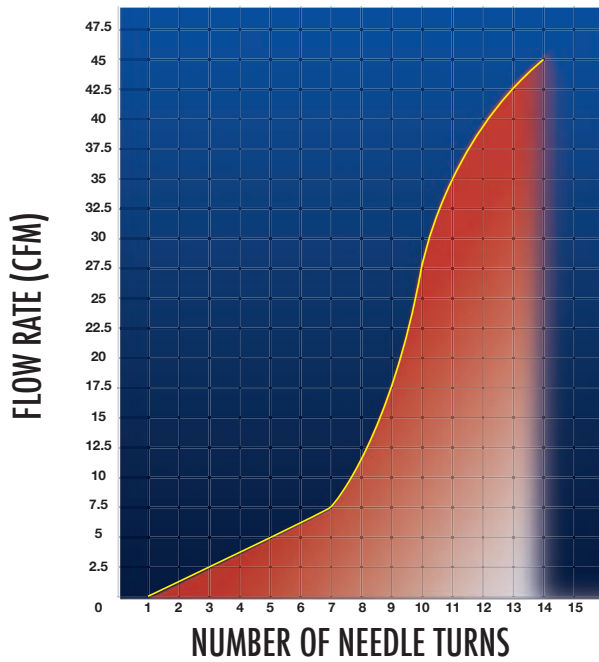
FLOW CONTROL VALVES 1/4"



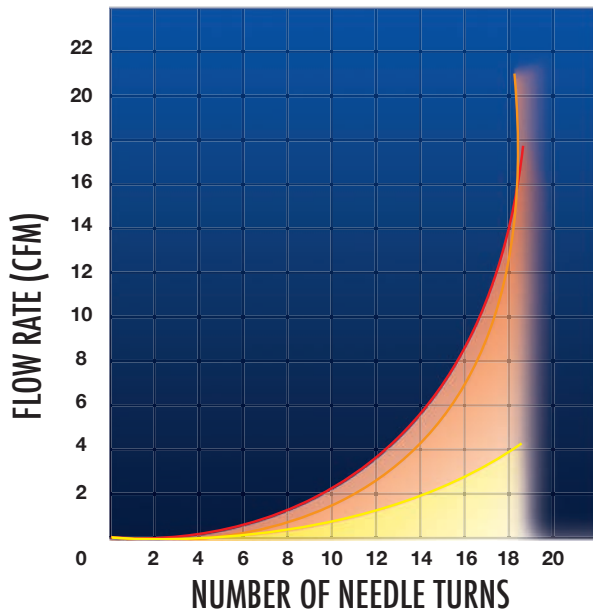
FLOW CONTROL VALVES 3/8"



FLOW CONTROL VALVES 1/2"

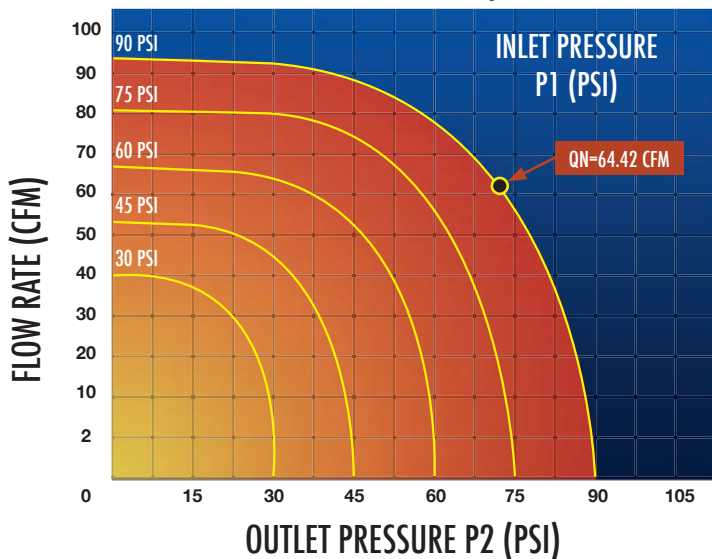


INLINE FLOW CONTROLS

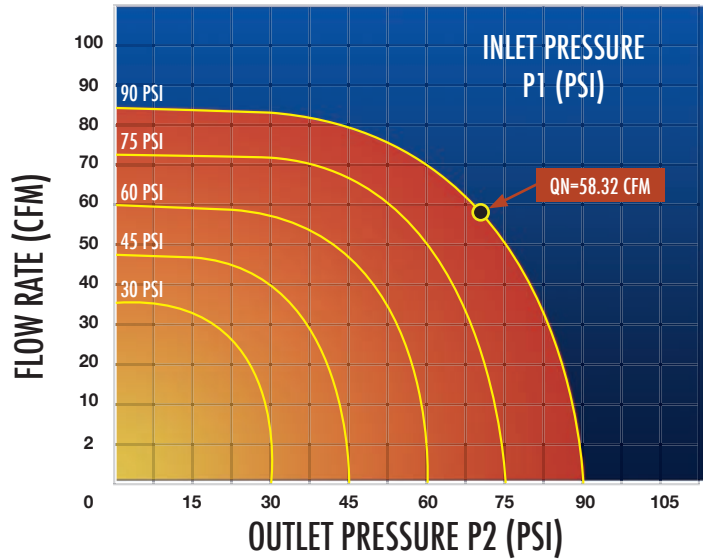


BALL VALVE SPECIFICATIONS

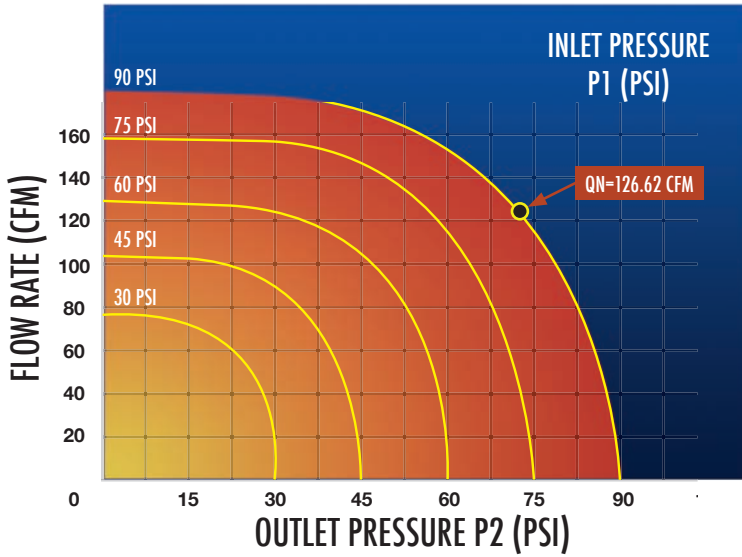
BALL VALVES 1/8"



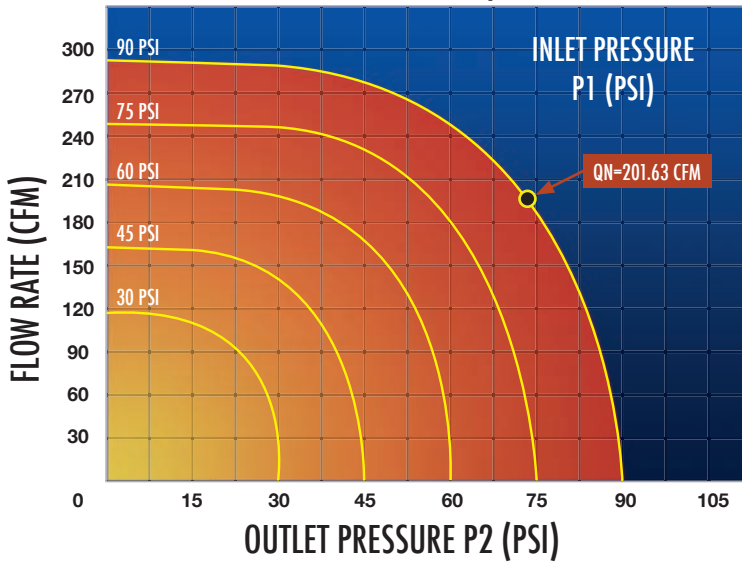
BALL VALVES 1/4"



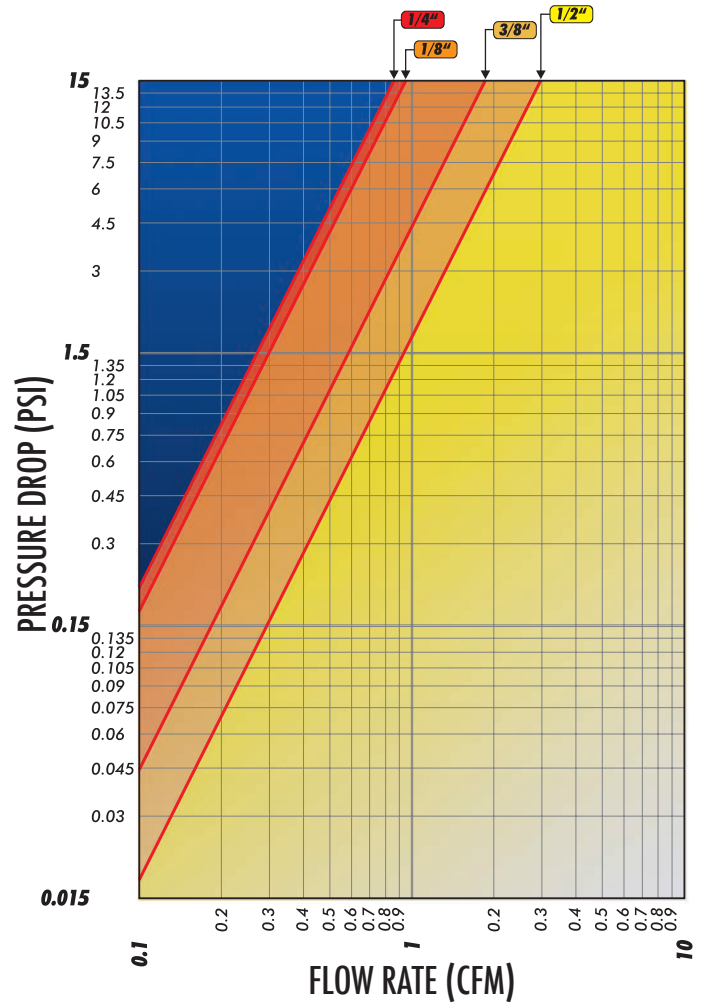
BALL VALVES 3/8"



BALL VALVES 1/2"



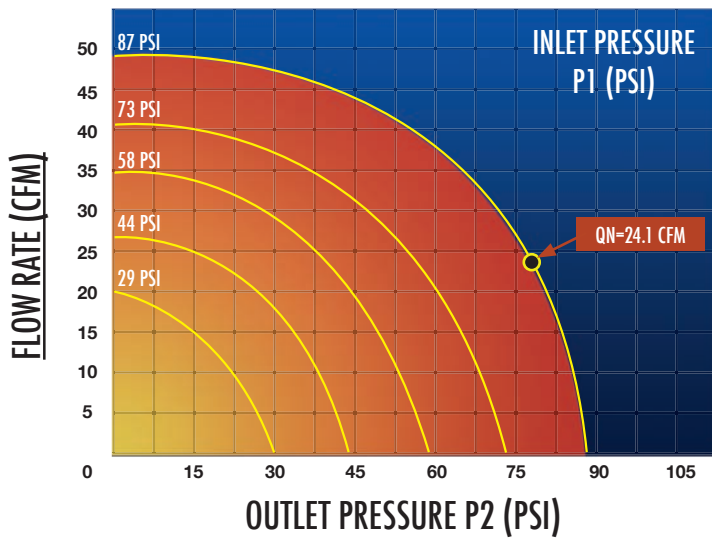
FLOW RATE & PRESSURE DROP



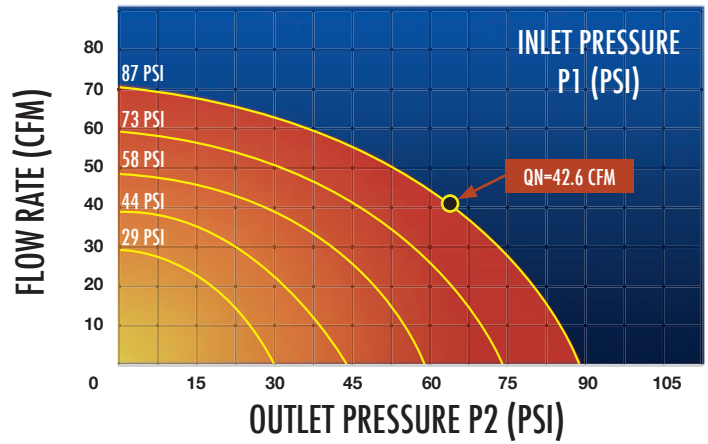
Valve Size	Orifice
1/8"	.217 (5.5)
1/4"	.217 (5.5)
3/8"	.315 (8)
1/2"	.394 (10)

QUICK EXHAUST VALVE SPECIFICATIONS

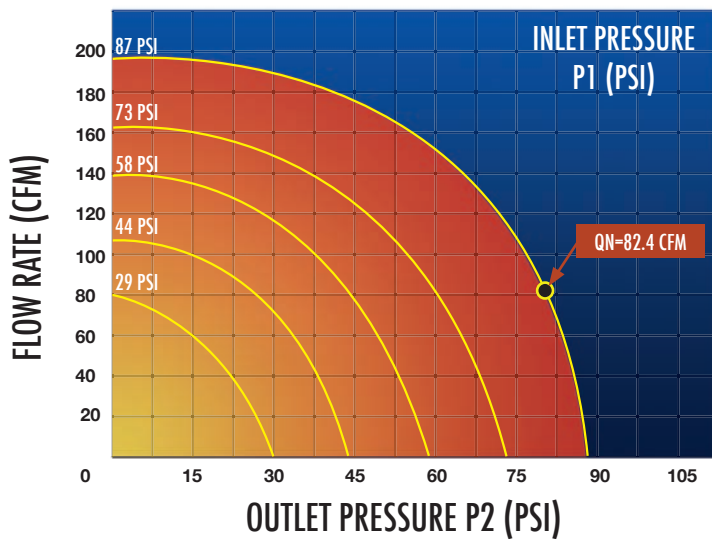
QUICK EXHAUST VALVE 1/8"



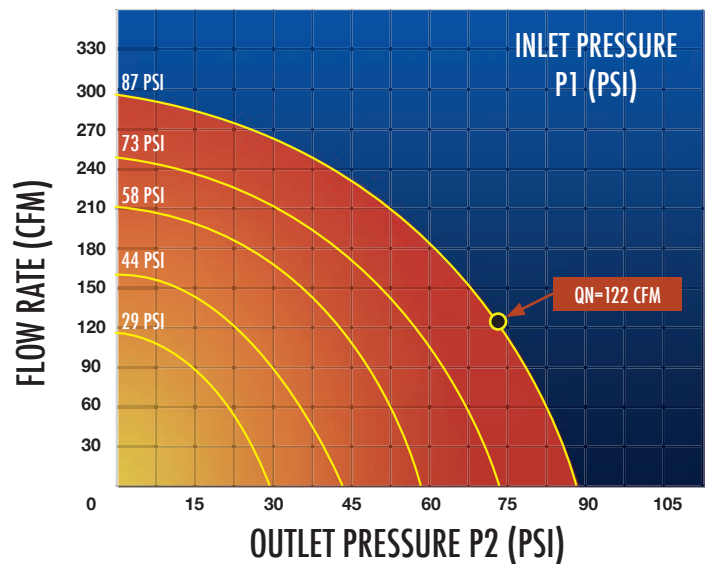
QUICK EXHAUST VALVE 1/4"



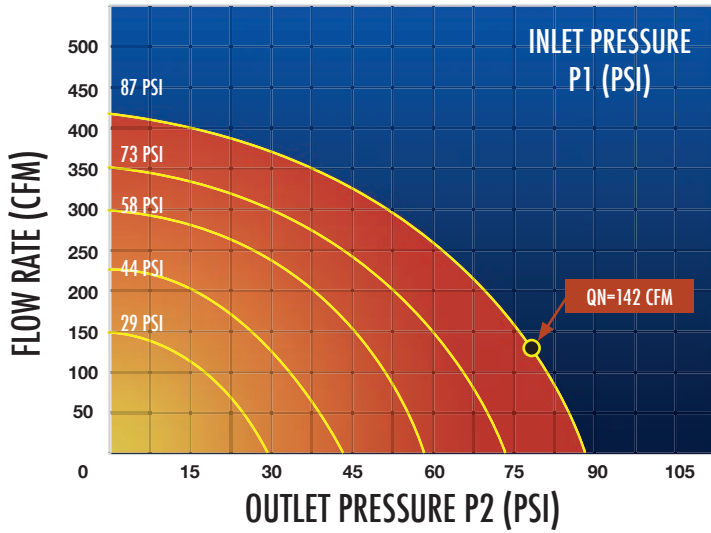
QUICK EXHAUST VALVE 3/8"



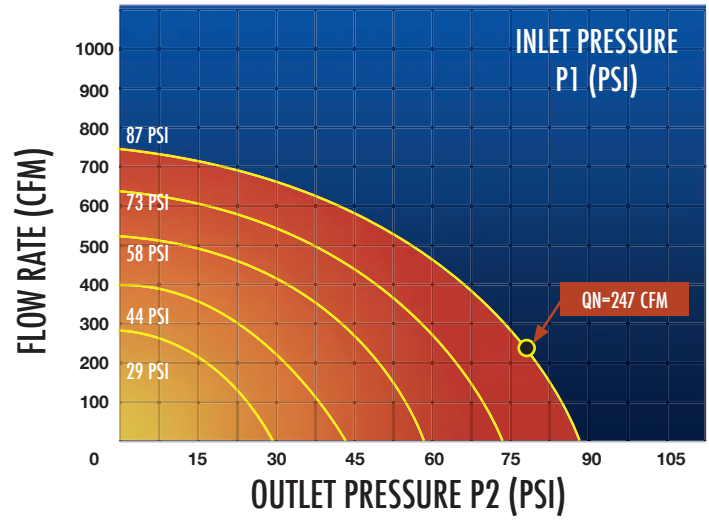
QUICK EXHAUST VALVE 1/2"



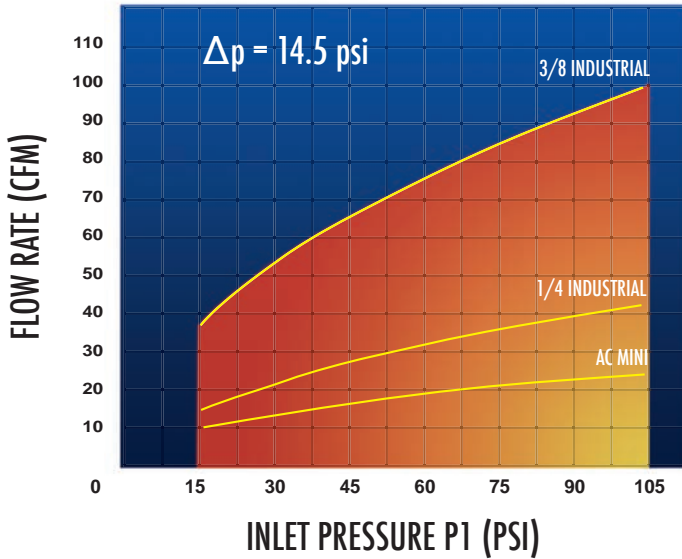
QUICK EXHAUST VALVE 3/4"



QUICK EXHAUST VALVE 1"



QUICK DISCONNECT COUPLERS



1/4" Basic size: INDUSTRIAL									
ALPHA	MILTON	AMFLO	ARO	COIL HOSE	DIXON	NAPA	PARKER	Foster	TOMCO
80192-04	715	C20-AU	MSCF22-000	150	DC20	90-670	B23	2803	M184
80191-04	716	C21	MSCM22-000	152	DC21	90-672	B22	2903	M181
80193-04	717	C20-42	MSCH22-000	153	DC2042	90-671	B20-3B	3603	M186
80193-06	717-6	C20-44	MSCH23-000		DC2044			3703	M187
80192-06	718	C20-23	MSCF23-000	151	DC2023	90-667	B23E	3203	M185
80191-06	719	C21-03	MSCM23-000	155	DC2103	90-657	B22E	3303	M182
80221-04	727	CP21	23902-210	1501	DCP21	90-674	H2C	10-3	1804
80222-04	728	CP20	23902-200	1502	DCP2021	90-676	H3C	11-3	1805
80222-06	732	CP20-23	23902-300	1505	DCP2023	90-659	H3C-E	15-3	1807
80221-06	733	CP21-03	23902-310	1503	DCP2103	90-677	H2C-E	14-3	1806
80223-04	736	CP21-42	23902-220	1506	DCP2142	90-673	H8C	16-3	1824
80223-06	736-6	CP21-44	23902-420	1508	DCP2144		H9C	17-3	1826
80192-04	745								UC2-16
80191-04	746								UC2-15
80192-04	755	C40B	MSCF22-X00		DCB20	90-615	B33		
80191-04	756	C41B	MSCM22-X00		DCB21	90-617	B32		
80193-04	1717-4	C20-42L	MSCP22-000				B20-3BP		
80193-06	1717-6	C20-44L	MSCP23-000				B20-5BP		
1/4" Basic size: ARO									
ALPHA	MILTON	AMFLO	ARO	COIL HOSE	DIXON	NAPA	PARKER	Foster	TOMCO
80192-04	775	C38,C46	210	140	DC38	90-613	B53	210-3303	A100
80191-04	776	C37,C45	210-212		DC37		B50	210-3103	A101
80193-04	776-4	C38-42	210-022		DC3842	90-679	B50-3BP	210-3603	A104
80193-06	776-6	C38-44	210-215		DC3844		B50-5BP	210-3703	A105
80271-04	777	CP37	2608	1401	DCP37	90-618	A2C	210-10	200
80273-04	777-4	CP37-42	3946	1406	DCP3742		A8C	210-16	400
80273-06	777-6	CP37-44	22238		DCP3744			210-17	500
80272-04	778	CP38	2609	1402	DCP38	90-620	A3C	210-11	300
1/4" Basic size: TRU-FLATE									
ALPHA	MILTON	AMFLO	ARO	COIL HOSE	DIXON	NAPA	PARKER	Foster	TOMCO
80291-04	783	CP1	TFPM22-000	1601	DCP1	90-628	2C	TF10	2154
80293-04	783-4	CP1-42	TFPH22-000	1606	DCP142	90-630	8C	TF16	2164
80293-06	783-6	CP1-44	TFPH23-000	1608	DCP143	90-626	9C	TF17	2166
80292-04	784	CP2	TFPH22-000	1602	DCP2	90-600	3C	TF11	2155
80192-04	785	C2	TFCF22-000	160	DC2	90-610	B13	TF3003	A2184
80191-04	786	C1	TFCM22-000	162	DC1	90-607	B12	TF3103	A2181
80193-04	786-4	C2-42	TFCH22-000	163	DC242	90-611	B10-3B	TF3603	A2186
80193-06	786-6	C2-44	TFCH23-000	166	DC244	90-609	B10-5B	TF3703	A2188
80192-06	788	C2-23	TFCF23-000					TF3203	A2185
80191-06	789	C1-03	TFCM23-000		DC103			TF3303	A2182

3/8" Basic size: Industrial									
ALPHA	MILTON	AMFLO	ARO	COIL HOSE	DIXON	NAPA	PARKER	Foster	TOMCO
80195-06	1835	C26	MSCF33-000	580	DC26	90-680	25	4204	T420
80194-06	1836	C25	MSCM33-000	581	DC25	90-682	24	4304	T430
80195-08									T440
80194-08									T450
80231-06	1837	CP25	23903-310	5801	DCP25	90-683	H2E	42-4	T42
80232-06	1838	CP26	23903-300	5802	DCP26	90-681	H3E	43-4	T43
80231-08									T44
80232-08									T45
3/8" Basic size: TRU-FLATE									
ALPHA	MILTON	AMFLO	ARO	COIL HOSE	DIXON	NAPA	PARKER	Foster	TOMCO
80195-06	1805	C6	TFCF33-000	590	DC6	90-654	15	5005	PT420
80194-06	1806	C5	TFCM33-000	591	DC5	90-656	14	5105	PT430
80281-06	1807	CP5	TFPM33-000	5901	DCP5	90-658	2E	TF42	PT42
80282-06	1808	CP6	TFPF33-000	5902	DCP6	90-660	3E	TF43	PT43



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