

Capitol

DISTRICT SUPPLY

PLUMBING | HEATING | KITCHENS | BATHS

October

2019 Equipment Catalog

- Boilers
- Furnaces and A/C
- Ductless Mini-Splits
- Hot Water Heaters
- Hydronic Radiation
- Sheet Metal & Registers
- Chimneys & Venting Systems
- Oil Tanks & Accessories
- Well Pumps & Water Systems
- Heating Accessories,
Circulators & controls

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All title to pricing herein is retained by Capitol District Supply, Inc. It's not automatically granted to bearer. A qualified tradesman is an installer or service company properly licensed and experienced to install & adjust the equipment herein in accordance with all codes and ordinances and who will be responsible for any needed warranty repairs.

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*Call for our
latest specials
and
volume pricing*

DELIVERY

*Call the nearest branch
to setup
your delivery
schedule*

DESIGN

We offer computer aided
heating, cooling, radiant heat
design and estimates.
**Call your sales rep for more
details**

PRICING & SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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Featured Products

Featured Products



- High Efficiency Wall Hung Gas boiler
- Indirect Water Heaters

IBC HC/DC Boiler

Simple & Reliable ONLY Up to 9 Moving Parts



- Simple, Reliable, Easy to Install & Service
- 22 year Proven Track Record,

Pages 4 & 5 & Indirect W/H on Page 25



Ductless Mini-split Heat Pumps
 • Single & Multi-Zone Ultra - 22°F Heating & AC In-Stock



Pages 17-19



Milwaukee Tools now on sale at our counters call for details

F1960 Expansion PEX Pipe, Fittings and Rings Now In Stock



New Ventilation Code Requirement Equipment Page 51

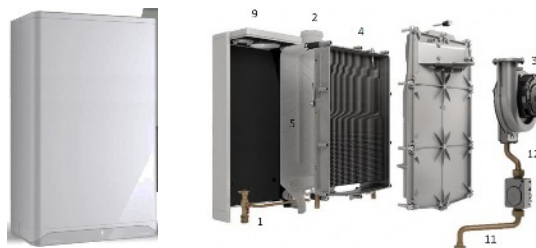


TPI Flue Gas Combustion Analyzer for Blue Tooth Smart Phone App Page 20



Please note: changes in Trade Policies have lead more rapid change and rise in prices. Please Call or use our APP for current pricing.

IBC SFT SUPERFLOW Tankless Water Heater Now In Stock



Page 25

IBC SFT Superflow Tankless Features & Benefits

- Simple and Reliable with only 4 Moving Parts
- One piece heat exchangers
- Efficient up to 5.1 GPM at 77°F rise 28.5-199,000 btu/hr input
- Touch panel control
- 2" PVC Venting up to 35' not including elbows

FER (Fan Energy Rating) Standard Pages 9-12

Goes into effect July 3, 2019 requiring all Gas Furnace Manufactures to only produce furnaces with ECM based blower motors

2019 EQUIPMENT CATALOG

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BOILERS



Slant Fin Sentry: Gas Fired Chimney Vented Electronic Ignition Atmospheric Hot Water Boilers

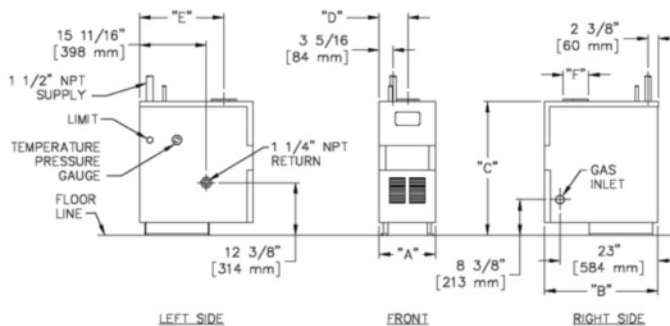
- Cast Iron sections, metal push nipple, insulated base with bottom pan, easy to install or remove stainless steel burner tubes, easy to service standing pilot assembly
- Integral draft hood, vent damper can be installed vertically or horizontal for low chimney breeching, low ceiling height applications
- **Limited lifetime warranty, 1 year control warranty,**
Tappings: Supply 1-1/2" F Return 1-1/2" tapping or bolt circulator directly to casting

EDP ~ Electronic Ignition DOE Sept. 2012 Compliant Features:

- Thermal targeting technology to conserve fuel
- New zero CO emissions
- LWCO low water cutoff functions
- Circulator remains off until boiler reaches 120 F to reduce condensing potential
- Thermal pre-purge option
- LED Display for operation info

Slant Fin Sentry: Gas Fired Chimney Vent Hot Water Boilers											1.29.19
Sentry	Input	Output	IBR Net	BB 600	Sq. Ft.	Flue	Jacket Dim	Weight	Water	AFUE	Trade
Model: SLFN-	Btu/hr	Btu	Output	Btu/ft.	Radiation	Size	H/W/D	lbs.	Con.-Gals.	Eff	Price
S-34-EDP	34,000	29,000	25,000	42	167	4	29/8/20	187	2.2	84.0%	\$ 1,463.82
S-60-EDP	60,000	51,000	44,000	73	293	4	33/11/20	232	3	84.4%	\$ 1,537.21
S-90-EDP	90,000	76,000	66,000	110	440	5	33/14/20	277	3.8	84.2%	\$ 1,645.96
S-120-EDP	120,000	101,000	88,000	147	587	6	33/17/20	322	4.7	84.1%	\$ 1,791.41
S-150-EDP	150,000	125,000	109,000	182	727	7	33/20/20	368	5.6	82.4%	\$ 1,972.88
SLFN-P-414546	Slant Fin intermittent pilot LP gas conversion kit for S60-S150 boilers										\$ 130.00
*SLFN-P-414-540	Slant Fin intermittent pilot LP gas conversion kit for S34 boilers										\$ 130.00

Smith GBX100: Cast Iron Gas Fired Chimney Vented Electronic Ignition Atmospheric Hot Water Boilers



EDP~ Electronic Ignition DOE Sept. 2012 Features
See details above

Warranty

- Limited Lifetime heat exchanger warranty
1 year parts

Note: Taps GBX 1-1/2 F Supply 1-1/4 F Return GBX-LP Kit \$100
Ships with Taco 007 circulator

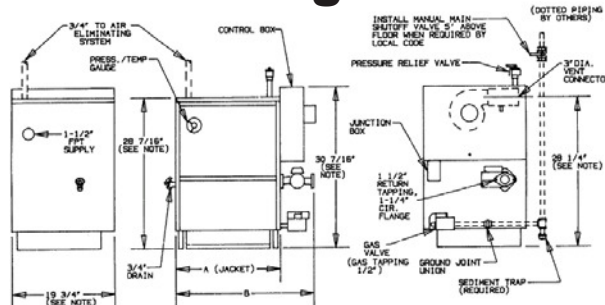
For combustible floor installations call for pricing , add 3" to the height dimensions

Smith GBX Series Gas Fired Chimney Vent Hot Water Boilers											1.29.19
HBS GBX	Input	Output	IBR Net	BB 600	Flue	Sq. Ft.	Jacket Dim	Weight	Water	AFUE	Trade
Model: HSB-	Btu/hr	Btu	Output	Btu/ft.	Size	Radiation	H/W/D	lbs.	Con.-Gals.	Eff	Price
GBX-70-INT	70,000	58,000	50	83	5	294	32-13-27	282	4.72	82.2%	\$1,667.22
GBX-105-INT	105,000	86,000	75	125	5	441	32-16-27	375	6	82.1%	\$1,820.40
GBX-140-INT	140,000	115,000	100	167	6	588	32-20-27	435	7.28	82.0%	\$2,072.00
GBX-175-INT	175,000	143,000	124	207	6	729	32-23-27	479	8.56	82.0%	\$2,425.72
GBX-195-INT	195,000	160,000	139	232	7	818	32/26/27	575	9.84	80.5%	\$2,654.38
SMIP90776	LP conversion kit GBX 70-175 boilers										\$ 174.00

Slant Fin VHS Victory II: Gas-Fired Direct Side Wall Vented Cast Iron Boiler w/Electronic Ignition



- Side Wall Vented with 3" Stainless Steel Pipe
- **EDP 2012 Compliant** see Top Left Page 2 for details
- Cast Iron sections, steel push nipples
- Taco 007 circulator included
- Intermittent pilot spark ignition system
- Hydrolevel Thermal targeting control (conserves fuel, LWCO function,
- **Limited lifetime warranty, 1 year control warranty,**



1-1/2" F Supply and Return, circulator can be bolted to return tap on boiler

Slant Fin VHS II Series gas fired direct vent boilers											1.29.19
SLFN	Input	Output	IBR Net	BB 600	Flue	Sq. Ft.	Jacket Dim	Weight	Water	AFUE	Trade
Model #	Btu/hr	Btu	Output	Btu/ft.	Size	Radiation	H/W/D	lbs.	Con.-Gals.	Eff	Price
*VHS60-EP	60,000	50,000	43	72	3	287	31/18/20	227	3	83.4%	\$1,781.00
*VHS90-EP	90,000	75,000	65	108	3	433	31/21/20	272	3.8	82.8%	\$1,907.09
*VHS120-EP	120,000	100,000	87	145	3	580	31/24/20	317	4.7	82.2%	\$2,056.70
*VHS150-EP	150,000	125,000	109	182	3	727	31/27/20	363	5.6	82.1%	\$2,273.27
SLFNP-414-538	LP conversion kit for all VHS boilers										\$130.07

Smith GVX Gas-Fired, Direct Side Wall Vented Cast Iron Boiler w/Electronic Ignition

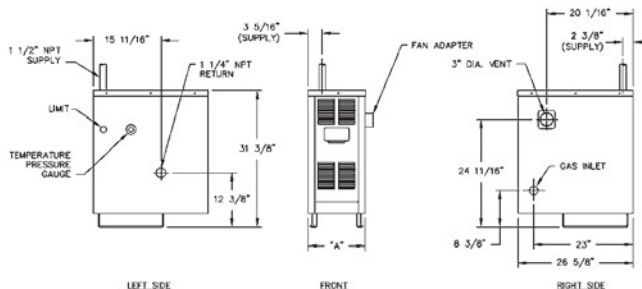


Table 4.2.: Equivalent Vent Length

Boiler Size	*Equivalent Length of 3" diameter Stainless Steel Vent Pipe	
	Minimum Vent Length	Maximum Vent Length
70	2-1/2 feet (762 m)	50 feet (15 m)
105	2-1/2 feet (762 m)	50 feet (15 m)
140	2-1/2 feet (762 m)	45 feet (13.7 m)
165	2-1/2 feet (762 m)	45 feet (13.7 m)

Reduce length by 5 feet for each elbow including termination fittings

- Side Wall Vented with Stainless Steel Pipe
- **EDP 2012 Compliant** see Top Left Page 2 for details
- Cast Iron sections, steel push nipples
- Taco 007 circulator included
- **Limited lifetime warranty, 1 year control warranty**

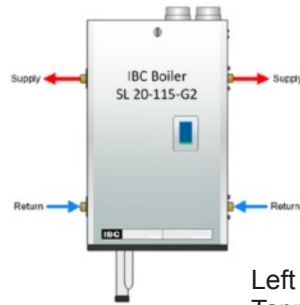
For combustible floor installations, add 3" to the height dimensions Call for Pricing

GVX 1-1/2 F Supply 1-1/4 F Return

Smith GV Series gas fired direct vent boilers											1.29.19
GVX	Input	Output	IBR Net	BB 600	Flue	Sq. Ft.	Jacket Dim	Weight	Water	AFUE	Trade
Model #	Btu/hr	Btu	Output	Btu/ft.	Size	Radiation	H/W/D	lbs.	Con.-Gals.	Eff	Price
GVX-70	70,000	58,000	50	83	3	294	32/13/27	325	4.72	82.1%	\$1,944.19
GVX-105	105,000	87,000	76	127	3	447	32/16/27	395	6	82.0%	\$2,154.33
GVX-140	140,000	116,000	101	168	3	594	32/20/27	465	7.28	82.0%	\$2,430.04
GVX-165	165,000	136,000	118	197	3	694	32/23/27	535	8.56	82.0%	\$2,817.14
SMIP90776	LP conversion kit for all GVX boilers										\$146.00

BOILERS IBC

SL Series: Stainless Steel Fire Tube Condensing High Efficiency Boilers



Left & Right Side Supply/Return Tapping SL-115, 160 & 199 G3

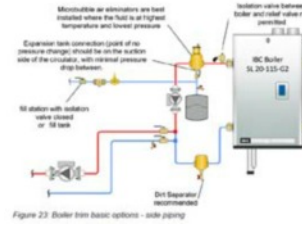


Figure 23 Boiler from basic options - side piping



Bottom Supply Tapping SL-260 & 399

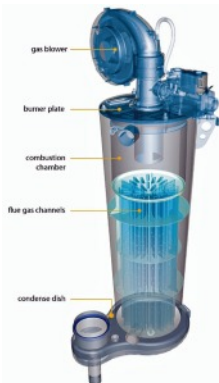
Features & Benefits

- 95% AFUE for utility rebate programs
- 439 Stainless Steel **FIRE TUBE** exchanger IBC has over 16 years of proven heat exchanger reliability
- PVC, CPVC or PP venting: SL115- 2" to 100' 3"-240', SL160-2" up to 35' 3" to 170' SL199-3" to 150' F i t t i n g s (90=8' 45=3')
- Touch Screen Control, express set up, USB port programming, 4-Load Inputs, built in outdoor reset control
- Limited Lifetime Residential heat exchanger warranty, 5 year parts warranty if registered
- Optional 5 and 10 year parts and labor warranties available, call for details

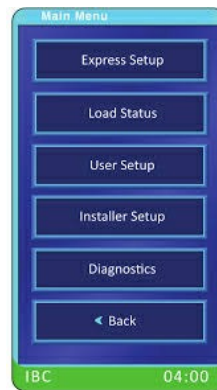
IBC Better Boilers Modulating Condensing Boilers														8.7.19		
IBC -	LP Kit Included	Input Btu/hr (MBH)	Output Btu/hr (MBH)	IBR Net Btu/hr (MBH)	BB600 Btu/ft	Sq. Ft Rad	Pressure drop ft head	Supply Return Connections	Gas Connection	Flue Size	Dimension H/WD	Weight lbs	Water Cont. Gals	AFUE	Trade Price	
Note: We are in the process of converting inventory from G2 Series to G3, specs below are on G3 both may be in stock, specs and LP version may vary																
SL-14-115-G3	Yes	14-115	13.3-109	93	154	529	4'	1" M	1/2"F	2"-3"	32-20-13	85	2.5	95%	\$ 3,307.14	
SL-20-160-G3	Yes	20-160	19-147	125	208	714	5'	1"M	1/2"F	2"-3"	32-22-15	102	3.2	95%	\$ 4,117.42	
SL 30-199-G3	Yes	32-199	30-181	154	256	879	8'	1-1/4"M	3/4"F	3"	32-23-17	152	5	95%	\$ 4,951.65	
SL-26-260-G3	NO	45-260	43-239	221	368	1263	13'	1-1/2"M	3/4"F	3"	36-25-18	162	5	95%	\$ 5,318.61	
*SL-40-399-G3	NO	40-399	39-383	326	543	1860	4'	1-1/2"M	3/4"F	4"	40-27-20	240	7	96%	\$ 8,582.39	
*Special Order plus freight																
LP SL260 & SL399 order from factory as LP								Recommended Primary Loop Circulators								
Recommended Primary Loop Circulators								SL-199 Taco: 012-MSF Grundfos: UPS26-99								
SL115	Taco: 0015 or 0015e Grundfos: UPS15-58							SL-260 Taco: 0013-MSF, Grundfos: UPS26-99 or UPS43-100F (non-standard flanges)								
SL160	Taco: 0015 or 0015e Grundfos: UPS15-58							SL-399 Grundfos: UPS26-99 or UPS43-100F								



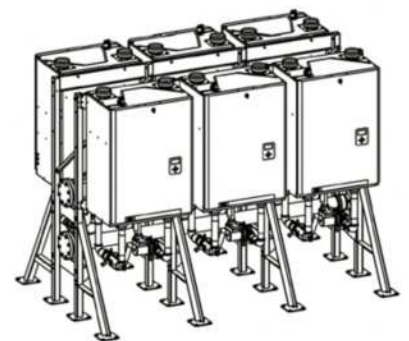
Easy to service cabinet



Proven Stainless Steel down fire tube heat exchanger



Smart Phone like Touch Screen Control Express Setup for easy startup, can be web enabled for adjustments and monitoring



Multi-Plex Racking for commercial applications up to 12 boiler in a section

IBC HC & DC Series Condensing Modulating High Efficiency Boilers

- HC-Heating only boiler
- DC-Heating and domestic hot water boiler



Boiler Piping 1-1/4" header for HC & DC boiler

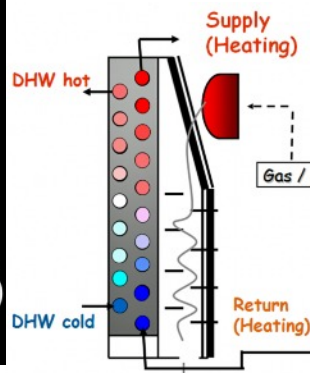
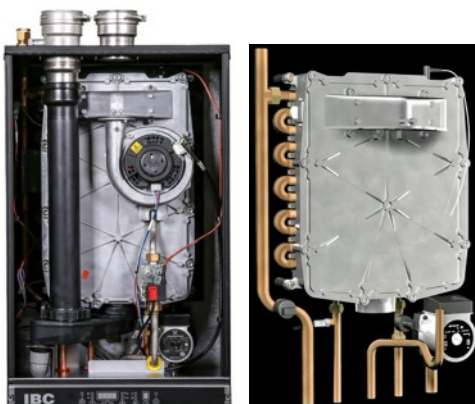


Features & Benefits

- Up to 95% AFUE for utility rebate programs
- Unique and innovative simple, single pass copper / aluminum heat exchanger ensuring greater efficiency and eliminating water side corrosion
- Combi Boiler can run independent of each system, it can run as how water only, heat only or both.
- Venting: PVC 2" to 35', 3" to 120' (90 Elbow = 8' 45 Elbow = 3')
- Built in primary loop boiler pump
- 10 year heat exchanger limited warranty, 5 year parts warranty
- Optional 5 Year \$149 or 10 year \$375 parts and labor warranty available call for details

On the market for over 20 years, 2 million sold world wide, simple design, proven reliability, very few interchangeable parts and easy to service from the front.

IBC High Efficiency Boilers: Combi and Heat Only Models														8.7.19
IBC Model #	Input Btu/hr (MBH)	Output Btu/hr (MBH)	IBR Net Btu/hr (MBH)	BB 600 Btu/ft	Sq. Ft Rad	DHW GPM 70 DEG RISE	AFUE	Supply Return Connections	Gas Connection	Flue Size	Dimension H/W/D	Weight lbs	Water Con. Gals	Trade Price
HC Series Boiler: Heat Only with built in boiler pump. Note: an indirect water heater can be piped off boiler														
*HC-84	23-84	74.8	64	106	374	N/A	94%	1" M	1/2" M	2-3"	27x20x12	85	0.37	\$ 1,845.14
HC-95	15-95	85.5	73	121	428	N/A	95%	1" M	1/2" M	2-3"	29x20x12	97	0.37	\$ 1,998.52
*HC106	29-106	94.3	80	134	472	N/A	94%	1" M	1/2" M	2-3"	29x20x12	85	0.37	\$ 2,060.01
HC-125	20-125	110.8	94	157	554	N/A	95%	1" M	1/2" M	2-3"	32x20x12	85	0.5	\$ 2,181.03
HC-160	33-160	140	119	198	700	N/A	94%	1" M	1/2" M	2-3"	32x20x12	85	0.5	\$ 2,260.64
DC Series Combi Boiler: Heat & Hot Water with built in boiler pump														
*DC-106	29-106	94.3	80	134	472	3.3 GPM	94%	1" M	1/2" M	2-3"	29x20x12	85	0.37	\$ 2,137.02
DC-125	20-125	115	98	163	575	4 GPM	95%	1" M	1/2" M	2-3"	32x20x12	85	0.5	\$ 2,252.87
DC-160	33-160	140	119	198	700	4 GPM	94%	1" M	1/2" M	2-3"	32x20x12	85	0.5	\$ 2,371.95
Primary Loop Circulator pump is built in, primary secondary piping required for proper operation														
IBC-190-149	Primary/Secondary Piping header 1-1/4" for HC & DC Boiler w/valves and tap for tap for option T&P Gauge													\$178.72
Natural to LP Gas conversion kits														
P700	84 & 106 HC/DC Natural Gas to LP Gas conversion kit													\$ 19.38
P747	95 HC/DC Natural Gas to LP Gas conversion kit													\$ 19.38
P702	124 & 160 HC/DC Natural Gas to LP Gas conversion kit													\$ 19.38
P737	125 HC/DC Natural Gas to LP Gas conversion kit													\$ 19.38



- Simple Heat Exchanger consisting of copper water ways embedded in a poured aluminum block with no moving parts, seals or connectors has a 20 year track record of reliability and no failures
- Heat and Hot water have independent water ways allowing boiler to operate as Tankless water heater without any boiler piping installed

2019 EQUIPMENT CATALOG

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SCHENECTADY
(518) 374-2227 Fax 374-0260

BOILERS

Slant Fin Galaxy Atmospheric Steam Boilers



- Cast Iron sections , metal push nipples, insulated base with bottom pan, easy to install or remove
- stainless steel burner tubes, easy to service pilot assembly
- Integral draft hood, vent damper can be installed vertically or horizontal for low chimney breeching, low ceiling height applications
- Optional tankless water heater, built in skimmer trough,
- Low Water Cutoff with out any built in timer for long run time and aid in reaching farthest radiators
- **Limited Ten-Year warranty, 1 year control warranty,**
Tappings: Supply 2-1/2" return 1-1/4"

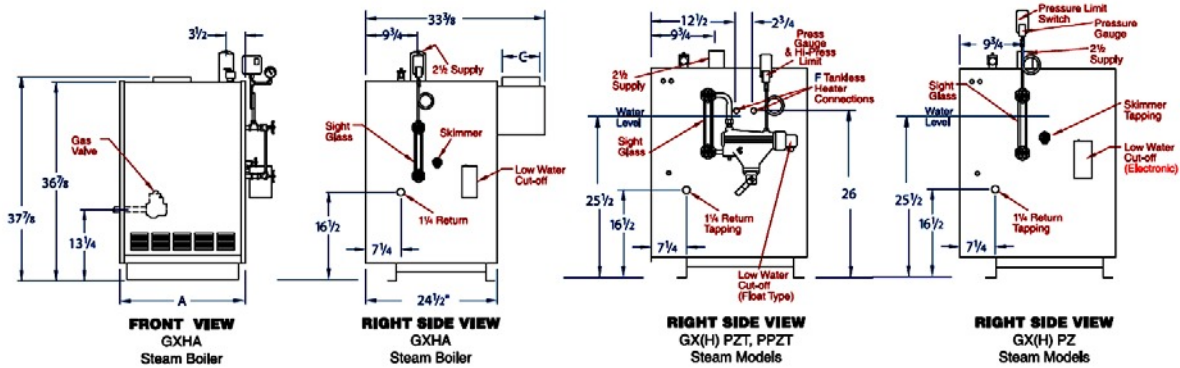
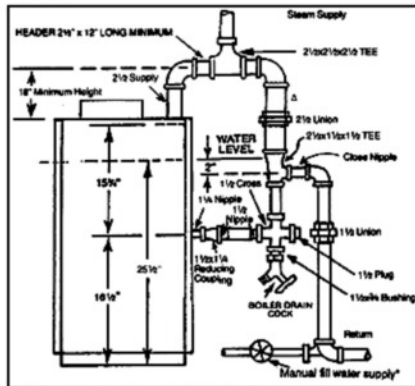
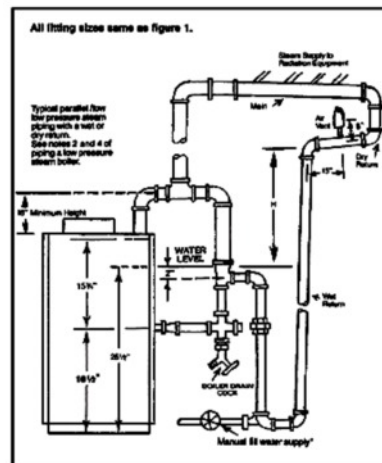


FIGURE 1



† A Hartford Loop is recommended for low pressure steam systems with gravity condensate returns. Pipe sizes shown above for Hartford Loop are recommended by Slant/Fin. However, certain local codes may require larger pipe sizes. Consult with local authorities.
 ▲ The equalizer should be full size from the steam supply to the operating water level.
 * Hot water fill is preferable. For auto feedings, see manufacturer's technical instructions.



* Hot water fill is preferable, but not required. For auto feeding, see manufacturer's technical instructions.

Slant Fin Galaxy Steam Boilers Electronic Ignition DOE2012 with Automatic Stack Dampers										1,29.19
SLFN-	Input Btu/hr (MBH)	Output Btu/hr MBH	IBR Net Outpu MBH	EDR Sq. Ft Steam	Flue Size	Jacket Dim. H/W/D	Heght to top of vent	AFUE	Ship Wt. lbs.	Trade Price
GXHA-100ED-N	100	81	61	254	5	38/17/25	38	81.0%	350	\$1,847.20
GXHA-120ED-N	120	97	73	304	6	38/17/25	38	81.2%	360	\$1,955.05
GXHA-160ED-N	160	130	98	408	6	38/20/25	38	81.2%	430	\$2,318.04

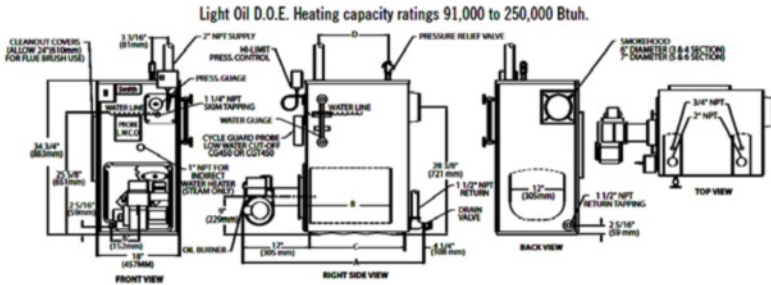
Smith Series 8 Oil Fired Hot Water Cast Iron Boilers



Stocked with Becket AFG Burner & Taco 007 circulator

- Extra-deep Sections, thicker walls and higher mass
- Quite Rear Outlet Design, designed to provide a sound attenuating effect much like a car muffler.
- Ships with Becket AFG oil burner and Hydrolevel 3250 Control with low water cutoff
- Limited lifetime warranty, 1 year control warranty.

A recipient of the Consumer's Digest Best Buy Award, the Series 8 has been designated as a great value in the marketplace, one that merits special attention from buyers.



DOE2012 Energy Update ~ Features:

- Thermal targeting technology to conserve fuel
- LWCO low water cutoff functions
- Circulator remains off until boiler reaches 120 F to reduce condensing potential
- Thermal pre-purge option
- LED Display for operation info

Smith Oil Fired Water Boilers												1,29.19
Stocked with Becket AFG Burner & Taco 007 circulator 2" & 3/4" Top Supply Tap, 1-1/2" Bottom Return Tap												
HBS Model #	AHRI	D.O.E.	IBR	7"BB	IBR rad	Flue	Dimension	Weight	Water	Nozzle	AFUE	Trade
	Input	Output	Net	@ 600	Sq. ft.	Size	H/W/D	in	Content	140 psi		Price
T= w/coil	GPH	MBH	MBH	BTU@ft	180 D.		Nearest 1"	lbs.	A=Hollow B=Solid			Boiler & Burner
8HEW3-C	.75 - .95	91	79	130	464	6	35/18/33	560	11.7	.65 80 A	85.6	\$2,490.87
8HEW3T-C	.75 - .95	113	98	160	575	6	35/18/33	560	11.7	.75 80 A	85.6	\$2,713.65
8HEW4-C	1.1 - 1.25	133	116	190	682	6	35/18/38	682	15.1	.85 80 A	85.9	\$2,869.28
*8HEW5	1.4 - 1.7	238	175	290	1,041	7	35/18/43	813	18.5	1.10 80 B	86.1	\$3,497.33

*Note: Underlined nozzle GPH = certified ratings, boilers are shipped with the larger of the two nozzles

BOILERS

Slant Fin TR Intrepid Oil-Fired Chimney Vented Cast Iron Boiler w/Beckett Burner



- Up to 86% Efficiency low draft loss
- Cast-Iron, web base heat exchanger metal push nipples
- Ships with HydroStat 3250 Thermal Targeting Control with Low Water Cutoff
- Easy top cleaning with snap hinged flue collector
- Swing Open and removable door aids installation and cleaning
- Ships with Becket AFG oil burner,
- Limited lifetime warranty, 1 year control warranty.



Slant Fin Oil Fired Water Boilers												1,29.19	
Stocked with Becket AFG Burner & Taco 007 circulator 1-1/2" Top Supply Tap, 1-1/2" Bottom Return Tap													
SLFN- Model #	AHRI	AHRI	D.O.E.	IBR	7"BB	IBR rad	Flue	Dimension	Weight	Water	Nozzle	AFUE	Trade
	Input	Input	Output	Net	@ 600	Sq. ft.	Size	H/W/D	in	Content	140 psi		Price
T= w/coil	GPH	MBH	MBH	MBH	BTU@ft	180 D.		Nearest 1"	lbs.	A=Hollow B=Solid			Boiler & Burner
TR-30-1.1-P	1.1-1.25	154-175	131	114	130	408	6	32/25/28	479	10.7	.65 80 A	84.8	\$2,144.35
TR-30-1.1-PT	1.1-1.25	154-175	149	130	160	575	6	32/25/28	488	10.7	.75 80 A	85	\$2,331.83
TR-40-1.6-P	1.5-1.8	224-252	133	116	190	682	6	32/25/31	566	13.1	.85 80 A	84.4	\$2,544.66
TR-40-1.6-PT	1.5-1.5	224-252	150	130	215	765	6	32/25/31	575	13.1	1.0 80 A	84.2	\$2,743.49

OIL FURNACES

Highboy Up Flow Oil

FER (Fan Energy Rating) Standard Goes into effect July 3, 2019 which may require all Furnace Manufacturers to only product furnaces with ECM based blower motors. We expect changes in specs and price increases in the near future please plan accordingly and call for the latest information.



HML80 Front Breach High Efficiency Oil Furnaces

- 20 gauge steel cabinet
- 60–90,000 output BTU/h 50" high
- Proven heat exchanger design
- A/C ready, ½ HP direct drive , 4 speed PSC blower motor with fan center
- Beckett AF Series Oil Burner
- Filter Racks & Washable air filters included
- *Limited lifetime heat exchanger warranty, limited 5 year parts*



HTL 120 Front Breach High Efficiency Oil Furnaces

- 20 gauge steel cabinet
- 84–117,000 output BTU/h 58" high
- Proven heat exchanger design
- A/C ready, ½ HP direct drive , 4 speed PSC blower motor with fan center
- Beckett AF Series Oil Burner
- Filter Racks & Washable air filters included
- *Limited lifetime heat exchanger warranty, limited 5 year parts*

Highboy Oil: Olsen HML80 & HTL1 Oil Fired Lowboy Furnace 8.7.19

Model	Flue Direction	Input BTUH	Output BTUH	Firing Rate GPH	Firing Range	Supply Plenum	Return Plenum	Dimension WxLxH	Flue Size	Heating CFM	AC Tons	AFUE	Wt lbs	Trade
HML80C-DD	Vertical	91,000	75,000	0.65	.5-.85	20-1/2x19	20-1/2x18-1/2	22x30-3/4x49-5/8	5"	1,133	3-1/2	84.0%	240	\$ 1,843.26
HTL120DD	Vertical	140,000	117,600	1	.75-1	20-1/2x18-5/8	20-1/2x18-5/8	22x51-1/2x41	6"	1,540	4	84.4%	280	\$ 2,033.73



Lowboy Up Flow Oil



BML80 Rear Flue Lowboy Oil

- 20 gauge steel cabinet
- 59-85,000 output BTU/h 32" high
- Proven heat exchanger design
- A/C ready, ½ HP direct drive , 4 speed PSC blower motor with fan center
- Beckett AF Series Oil Burner
- Filter Racks & Washable air filters included
- *Limited lifetime heat exchanger warranty, limited 5 year parts*

BCL Rear Flue Lowboy Oil Furnace BFL Front Flue Lowboy Oil Furnace

- 20 gauge steel cabinet
- 90-139,000 output BTU/h 41" high
- Proven heat exchanger design
- A/C ready, ½ HP direct drive , 4 speed PSC blower motor with fan center
- Beckett AF Series Oil Burner
- Filter Racks & Washable air filters included
- *Limited lifetime heat exchanger warranty, limited 5 year parts*

Lowboy Oil: Olsen BCL & BFL 120 & 145 Oil Fired Lowboy Furnace 8.7.19

Model	Flue Direction	Input BTUH	Output BTUH	Firing Rate GPH	Firing Range GPH	Supply Plenum	Return Plenum	Dimension WxLxH	Flue Size	Heating CFM	AC Tons	AFUE	Wt lbs	Trade
BML80BDD	Rear	91,000	76,000	0.65	.5-.75	20-1/2x19	20-1/2x18-1/2	22x51-1/2x32	5"	1,133	3-1/2	84.0%	240	\$ 1,852.92
BCL120DD	Rear	140,000	118,000	1	.75-1	20-1/2x18-5/8	20-1/2x18-5/8	22x51-1/2x41	6"	1,540	4	84.4%	280	\$ 1,919.86
BFL120SD	Front	140,000	114,000	1	.75-1	20-1/2x18-5/8	20-1/2x18-5/8	22x51-1/2x41	6"	1,540	4	83.0%	250	\$ 1,941.25
BCL145DD	Rear	168,000	141,000	1.2	1.1-1.2	20-1/2x18-5/8	20-1/2x18-5/8	22x51-1/2x41	6"	1,740	4	84.0%	280	\$ 2,331.85
*BFL145SD	Front	168,000	139,000	1.2	1.1-1.2	20-1/2x18-5/8	20-1/2x18-5/8	22x51-1/2x41	6"	1,740	4	81.8%	250	\$ 2,405.69

DOE Fan Efficiency Rating (FER) rule 79- F8129 did away with PSC blower motors on residential Gas Furnaces manufactured after July 3, 2019. FER Rule requires all residential furnaces to be manufactured with Multi-Speed ECM or Variable Speed ECM blower motors. Below is a conversion chart and list of upcoming model number changes.

Goodman Gas Furnace Line up for Summer & Fall 2019											Updated>	10/27/2019
PSC Blower Motor based furnaces can no longer be manufacture as of July 3, 2019												
AFUE	Model # ECM Blower Motor Based	Model # PSC Blower Motor Based Discontinued 7/3/19	Description	Upflow & Horizontal	Downflow & Horizontal	Single Stage Gas Valve	Two Stage Gas Valve	Modulating Gas Valve	5 Speed ECM Blower Motor	Variable Speed ECM Blower Motor	Comfort Bridge Technology	
Upflow / Horizontal 92% - 97% AFUE - Gas Furnaces												
92	GMES92	**GMSS92	92% Single Stage - Multi-Speed	X		X			X			
96	GMES96	**GMSS96	96% Single Stage - Multi-Speed	X		X			X			
96	GMEC96	N/A	96% Two Stage - Multi-Speed	X			X		X			
96	GMVC96	N/A	96% Two Stage - Variable Speed - Communicating	X			X			X	X	
97	*GMVM97	N/A	97% Modulating - Variable Speed - Communicating	X				X		X	X	
Upflow / Horizontal 80% AFUE - Gas Furnaces												
80	GMES80	**GMS8	80% Single Stage - Multi-Speed	X			X		X			
80	*GMEC80	**GMH8	80% Two Stage - Multi-Speed	X			X		X			
Downflow / Horizontal 92% - 97% AFUE - Gas Furnaces												
92	N/A	**GCSS92	92% Single Stage - Multi-Speed		X	X			X			
96	*GCE96	**GCSS96	96% Single Stage - Multi-Speed		X	X			X			
96	*GCEC96	N/A	96% Two Stage - Multi-Speed		X		X		X			
96	*GCVC96	N/A	96% Two Stage - Variable Speed - Communicating		X		X			X	X	
97	*GCVM97	N/A	97% Modulating - Variable Speed - Communicating		X			X		X	X	
Downflow / Horizontal 80% AFUE - Gas Furnaces												
80	*GCE96	**GDS8	80% Single Stage - Multi-Speed		X		X		X			
80	*GCEC80	**GDH8	80% Two Stage - Multi-Speed		X		X		X			
Call or check on line for other models available special order, call for price and availability44y												
* Non Stock typically call for price and availability												
** Discontinued Stock On Hand Only												
Comfort Bridge Tecnology available on select Goodman HVAC Equipment gives access to The Cool Cloud HVAC Bluetooth App												
The Cool Cloud App allows Phone.App access to set up and trouble shoot equipment												



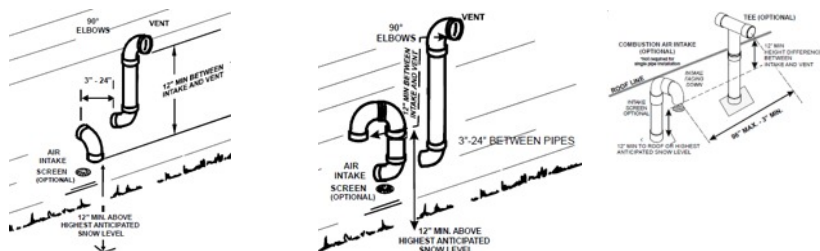
ComfortBridge technology is factory installed blue tooth capable technology installed on the select furnace and condenser boards allowing phone app access to control boards to connect, configure and diagnose ComfortBridge enabled equipment.

***MSS9* / *CSS9 Direct Vent (2-Pipe) & Non-Direct Vent (1-Pipe)**
Maximum Allowable Length of Vent/Flue Pipe

MODEL	PIPE SIZE	Number of Elbows							
		1	2	3	4	5	6	7	8
*MSS920402BN	2A	145	140	135	130	125	120	115	110
	3	168	161	154	147	140	133	126	119
*MSS920603BN	2	55	50	45	40	35	30	25	20
	3	127	120	113	106	99	92	85	78
*MSS920803BN	2A	30	25	20	15	10	5	N/A	N/A
	3A	72	65	58	51	44	37	30	23
*MSS920804CN	2A	30	25	20	15	10	5	N/A	N/A
	3A	72	65	58	51	44	37	30	23
*MSS920805CN	2A	40	35	30	25	20	15	10	5
	3	72	65	58	51	44	37	30	23
*MSS921004CN	2	60	55	50	45	40	35	30	25
	3	168	161	154	147	140	133	126	119
*MSS921005CN	2	30	25	20	15	10	5	N/A	N/A
	3	113	106	99	92	85	78	71	64
*MSS921205DN	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3	65	58	51	44	37	30	23	16
*CSS920402BN	2	100	95	90	85	80	75	70	65
	3	137	130	123	116	109	102	95	88
*CSS920603BN	2	60	55	50	45	40	35	30	25
	3	127	120	113	106	99	92	85	78
*CSS920804CN	2	35	30	25	20	15	10	5	N/A
	3	160	153	146	139	132	125	118	111
*CSS921005CN	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3	127	120	113	106	99	92	85	78

Goodman Furnaces 92% & Higher PVC Venting Information
Subject to change, check your installation manual for the latest information

Minimum vent length is 5 feet with one elbow or tee



Standard vent termination drawings see installation manual for more options and most up to date information

2019 EQUIPMENT CATALOG

ALBANY
(518) 465-3421 Fax 465-4644

SARATOGA SPRINGS
(518) 584-4499 Fax 584-2902

SCHENECTADY
(518) 374-2227 Fax 374-0260

GAS FURNACES

Goodman 80% Chimney Vented Gas Furnaces

**GMS8 + GMES 80% AFUE Single Stage Gas Valve Chimney Vent Single Stage Multi-Position Gas Furnace

- 40,000 to 140,000 BTUH
- Single-stage gas valve
- Chimney Applications: B-Vent, or metal lined approved chimney through the roof chimneys
- ***Can not be vented with PVC Pipe***
- Masonry Vent Kits MVK available call for details
- Up-Flow or Horizontal installation only, use **GDS8 PSC or *GCH80 series for down flow applications call for details
- **GMS 4 speed PSC blower motor GMES Multi-Speed ECM Blower Motor
- Warranty: limited lifetime on heat exchanger, 10 year parts warranty on line warranty registration must be completed within 60 days of installations.



DOE Fan Efficiency Rating (FER) rule 79- F8129 did away with PSC blower motors on residential Gas Furnaces manufactured after July 3, 2019. FER Rule requires all residential furnaces to be manufactured with Multi-Speed ECM or Variable Speed ECM blower motors.

** Discontinued Stock On Hand Only

* Special Order may add 3-18 day lead time call for details

Stock 80% Furnaces

80% AFUE - UpFlow - Single Stage Gas Valve - Upflow & Horizontal - Vertical Chimney Vent (B-Vent or Masonry with MVK kit)												8/26/2019			
PSC Blower Motor			ECM Blower Motor												
Stock On Hand			Replacing GMS8			Cab	Input N/G	Output NG	Plenum	Heating	Temp	AC	Vent	Dimensions	Wt.
Model #	Trade	Model #	Trade	Width	BTUH	NG BTUH	Size wxd	CFM	Rise LS	Tons	Size	H/W/D			
**GMS80403A	\$663.71	GMES800403A	\$ 769.74	14"	40,000	32,000	12-1/2x19-5/8	550	54	3	4"	33-3/8x14x28	86		
**GMS80603A	\$709.16	GMES800603A	\$ 834.46	14"	60,000	48,000	12-1/2x19-5/8	856	52	3	4"	33-3/8x14x28	90		
		GMES80803B	\$ 867.51	17-1/2"	80,000	64,000	16x19-5/8	956	62	3	4"	33-3/8x17-1/2x28	100		
**GMS80804B	\$786.27	*GMES80804B	\$ 912.95	17-1/2"	80,000	64,000	16x19-5/8	1,073	55	4	4"	33-3/8x17-1/2x28	116		
**GMS81005CN	\$874.40	GMES801005C	\$ 1,016.23	21"	100,000	80,000	19-1/2x19-5/8	1,466	51	5	4"	33-3/8x21x28	120		
**GMS81205D	\$1,009.34	GMES801205D	\$ 1,170.45	24-1/2"	120,000	96,000	23X19-5/8	1,336	67	5	4"	33-3/8x24-1/2x28	132		
GOO-LPT-03 GMS and GMES LP Conversion Kit								\$ 33.51	** Discontinued Stock On Hand Only						
GOO-LPLP03 LP Low Pressure cutoff to prevent sooting from a LP tank low on fuel								\$ 72.03	* Non-Stock special order						

Non-Stock 80% Two Stage Upflow Gas Furnaces Special Order (2-18 Lead Time Typical)

80% AFUE - UpFlow - Two Stage Gas Valve - Upflow & Horizontal - Vertical Chimney Vent (B-Vent or Masonry with MVK kit)												8/26/2019			
PSC Blower Motor			ECM Blower Motor												
Stock On Hand			Replacing GMH8			Cab	Input N/G	Output NG	Plenum	Heating	Temp	AC	Vent	Dimensions	Wt.
Model #	Trade	Model #	Trade	Width	BTUH	NG BTUH	Size W x D	CFM	Rise LS	Tons	Size	H/W/D			
**GMH80403A	\$718.79	*GMEC800403BN	\$ 1,108.65	14"	40,000	32,000	12-1/2x19-5/8	781	38	3	4"	33-3/8x14x28	86		
**GMH80603A	\$766.99	*GMEC800603BN	\$ 1,192.48	14"	60,000	48,000	12-1/2x19-5/8	892	50	3	4"	33-3/8x14x28	90		
**GMH80803B	\$819.32	*GMEC80803BN	\$ 1,222.77	17-1/2"	80,000	64,000	16x19-5/8	916	65	3	4"	33-3/8x17-1/2x28	106		
		*GMEC81005CN	\$ 1,397.66	21"	100,000	80,000	19-1/2x19-5/8	1,261	59	5	4"	33-3/8x21x28	118		
**GMH81205D	\$1,091.96	*GMEC801205DN	\$ 1,590.44	24-1/2"	120,000	96,000	23X19-5/8	1,343	66	5	4"	33-3/8 X 24-1/2 X 28	132		
GOO-LPM06 LP Conversion Kit for WR and HW Gas Valves								\$45.03	** Discontinued Stock On Hand Only						
GOO-LPLP03 LP Low Pressure cutoff to prevent sooting from a LP tank low on fuel								\$ 72.03	* Non-Stock special order						

Non-Stock 80% Single Stage Down-Flow Gas Furnaces Special Order (2-18 Lead Time Typical)

80% AFUE - DownFlow - Single Stage Gas Valve - Upflow & Horizontal - Vertical Chimney Vent (B-Vent or Masonry with MVK kit)												8/26/2019			
PSC Blower Motor			ECM Blower Motor												
Stock On Hand			Replacing GMS8			Cab	Input N/G	Output NG	Plenum	Heating	Temp	AC	Vent	Dimensions	Wt.
Model #	Trade	Model #	Trade	Width	BTUH	NG BTUH	Size wxd	CFM	Rise LS	Tons	Size	H/W/D			
**GDS80403AN	\$697.22	GCES800403AN	\$ 784.89	14"	40,000	32,000	12-1/2x19-5/8	550	54	3	4"	33-3/8x14x28	86		
**GDS80603AN	\$711.91	GCES800603AN	\$ 831.71	14"	60,000	48,000	12-1/2x19-5/8	856	52	3	4"	33-3/8x14x28	90		
**GDS80804BN	\$834.46	GCES800804BN	\$ 974.92	17-1/2"	80,000	64,000	16x19-5/8	1,073	55	4	4"	33-3/8x17-1/2x28	116		
**GDS81005CN	\$936.36	GCES801005CN	\$ 1,093.34	21"	100,000	80,000	19-1/2x19-5/8	1,466	51	5	4"	33-3/8x21x28	120		
GOO-LPT-03 GMS and GMES LP Conversion Kit								\$ 33.51	** Discontinued Stock On Hand Only						
GOO-LPLP03 LP Low Pressure cutoff to prevent sooting from a LP tank low on fuel								\$ 72.03	* Non-Stock special order						

Goodman 90% PVC Venting Gas Furnaces

- 30-120,000 BTU/H
- PVC Side Wall Venting two or one pipe
- Single & Two Stage Condensing Gas Furnace
- Up-flow or horizontal right or left
- Durable Silicon Nitride Igniter
- Heavy-duty aluminized-steel heat exchanger
- Stainless-steel secondary heat exchanger
- **Warranty:** Limited lifetime heat exchanger 10 year parts warranty if registered



DOE Fan Efficiency Rating (FER) rule 79-F8129 **did away with PSC blower motors on residential Gas Furnaces** manufactured after July 3, 2019. FER Rule requires all residential furnaces to be manufactured with Multi-Speed ECM or Variable Speed ECM blower motors.

GAS FURNACES

Stock 92% - Single Stage - Up-flow or Horizontal PVC Side Wall Vented Gas Furnaces

92% AFUE - Single Stage Gas Valve - Upflow & Horizontal - PVC Side Wall Vented													
PSC Blower Motor				ECM Multi-Speed Blower Motor								8/26/2019	
Stock On Hand				Replacing GSS92								Dimensions	Wt.
Model #	Trade	Model #	Trade	Cab Width	Input N/G BTUH	Output NG NG BTUH	Plenum Size W x D	Heating CFM	Temp Rise LS	AC Tons	Vent Size	H/W/D	
**GMSS92-0402BN	\$1,007.41	GMES92-0402BN	\$ 1,098.84	17-1/2"	40,000	36,840	16x19-1/2	758	45	2	2-3	17-1/2x28-3/4x34-1/2	109
**GMSS92-0603BN	\$1,072.87	GMES92-0603BN	\$ 1,170.45	17-1/2"	60,000	55,260	16x19-1/2	939	54	3	2-3	17-1/2x28-3/4x34-1/2	112
**GMSS92-0803BN	\$1,175.32	GMES92-0803BN	\$ 1,279.23	17-1/2"	80,000	73,680	16x19-1/2	1,134	60	3	2-3	17-1/2x28-3/4x34-1/2	115
		GMES92-1004CN	\$ 1,499.55	21"	100,000	92,100	19-1/2x19-1/2	1,529	56	4	2-3	21x28-3/4x34-1/2	139
**GMSS92-1205DN	\$1,478.39	GMES92-1205DN	\$ 1,604.21	24-1/2"	120,000	110,520	23x19-1/2	1,722	59	5	3	24-1/2x28-3/4x34-1/2	152
GOO-LPM-07 LP Conversion Kit												\$ 40.25	
GOO-LPLP03 LP Low Pressure cutoff to prevent sooting from a LP tank low on fuel												\$ 72.03	

Stock 96% - Single Stage - Up-flow or Horizontal PVC Side Wall Vented Gas Furnaces

96% AFUE - Single Stage Gas Valve - Upflow & Horizontal - PVC Side Wall Vented													
PSC Blower Motor				ECM Multi-Speed Blower Motor								8/26/2019	
Stock On Hand				Replacing GSS96								Dimensions	Wt.
GOO Model #	Trade Price	GOO Model #	Trade Price	Cab Width	Input N/G BTUH	Output NG NG BTUH	Plenum Size wxd	Heating CFM	Temp Rise	AC Tons	Vent Size	Dimen. H/W/D	
**GMSS96-0603BN	\$1,199.51	GMES96-0402BN	\$ 1,213.14	17-1/2"	40,000	38,400	16x19-1/2	892	40	2	2-3	17-1/2x28-3/4x34-1/2	111
**GMSS96-0803BN	\$1,240.16	GMES96-0603BN	\$ 1,305.39	17-1/2"	60,000	57,600	16x19-1/2	919	58	3	2-3	17-1/2x28-3/4x34-1/2	114
**GMSS96-1005CN	\$1,536.73	GMES96-0803BN	\$ 1,379.76	17-1/2"	80,000	76,800	16x19-1/2	1,165	61	3	2-3	17-1/2x28-3/4x34-1/2	116
**GMSS96-1205DN	\$ 1,673.33	GMES96-1005CN	\$ 1,657.91	21"	100,000	96,000	19-1/2x19-1/2	1,493	60	5	2-3	21x28-3/4x34-1/2	142
		GMES96-1205DN	\$ 1,794.23	24-1/2"	120,000	115,200	23x19-1/2	1,574	68	5	3	24-1/2x28-3/4x34-1/2	154
GOO-LPM-07 LP Conversion Kit												\$ 40.25	
GOO-LPLP03 LP Low Pressure cutoff to prevent sooting from a LP tank low on fuel												\$ 72.03	

Stock 96% - Two Stage - Upflow or Horizontal Multi-Speed ECM Blower PVC Side Wall

Goodman GMEC96 Two Stage ECM Multi-Speed Motor Multi-Position 96% AFUE Gas Furnaces											9.6.19
GOO Model #	Cab Width	Input N/G BTUH	Output NG NG BTUH	Plenum Size wxd	Heating CFM .5	Temp Rise	AC Tons	Vent Size	Dimen. H/W/D	Wt.	Trade Price
*GMEC960303AN	17-1/2	30,000	28,800	16x19-1/2	621	43	2	2-3	34-1/2x17-1/2x28-3/4	111	\$1,323.64
**GMEC960402B	17-1/2	40,000	38,400	16x19-1/2	773	46	2	2-3	34-1/2x17-1/2x28-3/4	112	\$1,331.50
GMEC960403A	17-1/2	40,000	38,400	16x19-1/2	773	46	2	2-3	34-1/2x17-1/2x28-3/4	112	\$1,331.50
GMEC960603B	17-1/2	60,000	57,600	16x19-1/2	1,170	46	3	2-3	34-1/2x17-1/2x28-3/4	115	\$1,478.93
GMEC960804B	21	80,000	76,800	16-1/2x19-1/2	1,172	61	4	2-3	34-1/2x17-1/2x28-3/4	118	\$1,721.31
GMEC961005C	21	100,000	96,000	19-1/2x19-1/2	1,653	54	5	2-3	34-1/2x21-1/2x28-3/4	140	\$1,827.26
GMEC961205D	24-1/2	120,000	115,200	23x19-1/2	2,029	53	5	3	34-1/2x24-1/2x28-3/4	154	\$1,928.85
LPM-08 LP Conversion Kit											\$ 46.06
GOO-LPLP03 LP Low Pressure cutoff to prevent sooting from a LP tank low on fuel											\$ 72.03

2019 EQUIPMENT CATALOG

ALBANY
(518) 465-3421 Fax 465-4644

SARATOGA SPRINGS
(518) 584-4499 Fax 584-2902

SCHENECTADY
(518) 374-2227 Fax 374-0260

GMVC96 Series 96% AFUE Gas Furnaces

Two Stage Variable Speed ECM Electronic Blower Motor

- ComfortBridge Intergrated Communication technology
- PVC side wall vented one or two pipes
- Multi-Position Up-Flow or Horizontal
- Two Stage Condensing Gas Furnace
- 40,000 - 120,000 BTU/H input
- 96% Efficiency Energy Star Rated
- Up-flow or horizontal right or left
- Energy Star Label
- **Warranty:** Limited lifetime heat exchanger, 10 year parts, 10 year unit replacement if registered



Stock 96% - Two Stage - Up-flow or Horizontal Variable ECM Blower PVC Side Wall

Goodman GMVC96 Two Stage ECM Variable Speed Motor Multi-Position 96% AFUE Gas Furnaces											8/28/2019
GOO	Cab	Input N/G	Output NG	Plenum	Heating	Temp	AC	Vent	Dimen.	Wt	Trade
Model #	Width	BTUH	NG BTUH	Size wxd	CFM	Rise	Tons	Size	H/W/D		Price
GMVC960403B	17-1/2	40,000	38,400	16x19-1/2	543	65	3	2-3	34-1/2x17-1/2x28-3/4	114	\$1,766.30
GMVC960603B	17-1/2	60,000	57,600	16x19-1/2	1,059	50	3	2-3	34-1/2x17-1/2x28-3/4	117	\$1,833.07
GMVC960804C	21	80,000	76,800	19-1/2x19-1/2	1,322	54	4	2-3	34-1/2x21-1/2x28-3/4	141	\$2,233.64
GMVC961005C	21	100,000	96,000	19-1/2x19-1/2	1,636	54	5	2-3	34-1/2x21-1/2x28-3/4	143	\$2,425.22
GMVC961205D	24-1/2	120,000	115,200	23x19-1/2	1,702	63	5	2-3	34-1/2x24-1/2x28-3/4	156	\$2,531.17
GOO-LPM08	LP Conversion Kit										\$ 46.06
GOO-LPLP03	LP Low Pressure cutoff to prevent sooting from a LP tank low on fuel										\$ 72.03



ComfortBridge technology is factory installed blue tooth capable technology installed on the select furnace and condenser boards allowing phone app access to control boards to connect, configure and diagnose ComfortBridge enabled equipment.

Goodman Down-Flow (Counter-Flow) Furnaces, call for Price and Availability



Goodman Gas Furnace Line up for Summer & Fall 2019										Updated>	8/19/2019
PSC Blower Motor based furnaces can no longer be manufacture as of July 3, 2019											
AFUE	Model # ECM Blower Motor Based	Model # PSC Blower Motor Based Discontinued 7/3/19	Description	Upflow & Horizontal	Downflow & Horizontal	Single Stage Gas Valve	Two Stage Gas Valve	Modulating Gas Valve	5 Speed ECM Blower Motor	Variable Speed ECM Blower Motor	Comfort Bridge Technology
Downflow / Horizontal 92%> AFUE - Gas Furnaces											
92	N/A	**GCSS92	92% Single Stage - Multi-Speed		X	X			X		
96	*GCES96	**GCSS96	96% Single Stage - Multi-Speed		X	X			X		
96	*GCEC96	N/A	96% Two Stage - Multi-Speed		X		X		X		
96	*GCVC96	N/A	96% Two Stage - Variable Speed - Communicating		X		X			X	X
97	*GCVM97	N/A	97% Modulating - Variable Speed - Communicating		X			X		X	X
Downflow / Horizontal 80%> AFUE - Gas Furnaces											
80	*GCES80	**GDS8	80% Single Stage - Multi-Speed		X		X		X		
80	*GCEC80	**GDH8	80% Two Stage - Multi-Speed		X		X		X		
Call or check on line for other models available special order, call for price and availability44y											
* Non Stock typically call for price and availability											
** Discontinued Stock On Hand Only											
Comfort Bridge Tecnology available on select Goodman HVAC Equipment gives access to The Cool Cloud HVAC Bluetooth App											
The Cool Cloud App allows Phone App access to set up and trouble shoot equipment											

13 SEER R410A Split System Air Conditioning

Warranty: 10 Year Parts Limited Warranty on line registration with in 60 days required



- Energy Efficient compressor
- Quiet condenser fan system
- Copper Tube aluminum fin coil construction
- Factory installed filter dryer
- Brass suction and liquid shut off valves with sweat connections
- Factory charged for 15' tubing length

GSX 13 SEER R410A Condenser								10/7/2019
Model	Cooling	Refr.	Min wire	Circuit	Dimensions	Weight	Trade	
GOO-	Tons	Valve Size	Amps	Breaker	H/W/D	Lbs	Price	
GSX13-0181	1-1/2	3/8-3/4	9.1	15	23-23-25-3/4	102	\$1,043.04	
GSX13-0241	2	3/8-3/4	10.3	15	26-26-27-1/2	103	\$1,126.31	
GSX13-0301	2-1/2	3/8-3/4	16.7	25	26-26-27-1/2	115	\$1,248.06	
GSX13-0361	3	3/8-3/4	19.1	30	26-26-27-1/2	118	\$1,402.03	
GSX13-0421	3-1/2	3/8-7/8	23.9	40	29-29-36-1/4	171	\$1,494.44	
GSX13-0481	4	3/8-7/8	26.4	45	29-29-36-1/4	175	\$1,618.62	
GSX13-0601	5	3/8-7/8	32.8	50	29-29-40	185	\$1,922.01	

14 SEER R410A Split System Air Conditioning

Warranty: 10 Year Parts Limited Warranty on line registration with in 60 days required



- Copper Tube aluminum fin coil construction
- Brass suction and liquid shut off valves with sweat connections
- Factory charged for 15' tubing length R410A
- Quiet operating top discharge
- Hermetically sealed compressor

GSX 14 SEER R410A Condenser								10/7/2019
Model	Cooling	Refr.	Min wire	Circuit	Dimensions	Weight	Trade	
GOO-	Tons	Valve Size	Amps	Breaker	H/W/D	Lbs	Price	
GSX14-0181	1-1/2	3/8-3/4	8.2	15	23-23-25-3/4	126	\$1,168.68	
GSX14-0241	2	3/8-3/4	10.3	15	26-26-27-1/2	126	\$1,261.20	
GSX14-0301	2-1/2	3/8-3/4	17	25	29-29-32 1/2	162	\$1,352.93	
GSX14-0361	3	3/8-3/4	18.6	30	29-29-32 1/2	162	\$1,481.30	
GSX14-0421	3-1/2	3/8-7/8	21.8	35	29-29-36 1/4	189	\$1,677.05	
GSX14-0481	4	3/8-7/8	26.2	45	35-1/2-35 1/2-36 1/4	220	\$1,812.91	
GSX14-0601	5	3/8-7/8	32.6	50	35-1/2-35 1/2-38 1/4	260	\$2,170.44	

16 SEER R410A Split AC

Warranty: 10 Year Parts Limited Warranty on line registration with in 60 days required



- Copper Tube aluminum fin coil construction
- Brass suction and liquid shut off valves with sweat connections
- Factory charged for 15' tubing length R410A
- Quiet operating top discharge
- Hermetically sealed compressor
- Meets Energy Star new home requirement

GSX 16 SEER R410A High Efficiency Condensers Energy Star Rated								10/7/2019
Model	Cooling	Refr.	Min wire	Circuit	Dimensions	Weight	Trade	
GOO-	Tons	Valve Size	Amps	Breaker	H/W/D	Lbs	Price	
GSX160181	1-1/2	3/8-3/4	12.2	20	29-29-32	145	\$1,387.50	
GSX160241	2	3/8-3/4	17.8	25	29-29-32	142	\$1,444.10	
GSX160301	2-1/2	3/8-7/8	17	25	29-29-35-3/4	149	\$1,496.35	
GSX160361	3	3/8-7/8	18.6	30	29-29-36-1/2	162	\$1,631.33	
GSX160421	3-1/2	3/8-7/8	23.3	40	35-1/2-35-1/2-35-3/4	206	\$1,861.87	
GSX160481	4	3/8-7/8	23.7	40	35-1/2-35-1/2-39-1/2	219	\$1,949.03	
GSX160601	5	3/8-7/8	29.6	50	35-1/2-35-1/2-39-1/2	279	\$2,412.16	

16 SEER Two Stage with ComfortBridge technology R410A Split AC



- High-efficiency two stage scroll compressor
- CoolCloud Blue-tooth commissioning and diagnostic technology built in
- Copper Tube aluminum fin coil construction
- Brass suction and liquid shut off valves with sweat connections
- Factory charged for 15' tubing length R410A
- Quiet operating top discharge
- Meets Energy Star new home requirement

GSXC 16 SEER Two Stage R410A High Efficiency Condensers Energy Star Rated								10/7/2019
Model	Cooling	Refr.	Min wire	Circuit	Dimensions	Weight	Trade	
GOO-	Tons	Valve Size	Amps	Breaker	H/W/D	Lbs	Price	
GSXC160241	2	3/8-3/4	17.8	25	29-29-32	142	\$1,943.47	
GSXC160361	3	3/8-7/8	18.6	30	29-29-36-1/2	162	\$2,322.74	
GSXC160481	4	3/8-7/8	23.7	40	35-1/2-35-1/2-39-1/2	219	\$2,578.47	
GSXC160601	5	3/8-7/8	29.6	50	35-1/2-35-1/2-39-1/2	279	\$3,033.41	

Call for pricing on 18 SEER Two Stage AC Condensers
Call for pricing on Air to Air Goodman Heat Pump Condensers

AIR CONDITIONING

Line Set for Spit System: EZ

Pull Call for pricing

- LSE- 25' & 50'
- LSME Mini-split 25' & 50'



Cased Upflow/Downflow Evaporator Coils with Cabinet

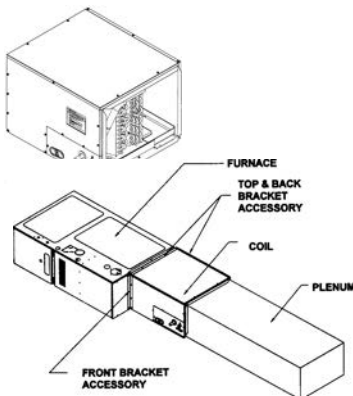


Cased High Efficiency w/R410a TXV Valve

Uncased Upflow and Downflow Evaporator Coils



****Oil Fired Furnaces, use HTP high temperature drain pans to avoid drain pan melt down****



Goodman 13 SEER Upflow/Downflow Indoor Air Conditioning Coils											
GOO-Model	Nom. Tons	Width	Depth	Width	Height	Plenum Size	Connections Liquid	Suction	Ship Weight	Trade	2.7.19
Cased Coils											
CAPF1824A6	1-1/2-2	A	14	21	18	13x19	3/8	3/4	32	\$324.42	
CAPF1824B6	1-1/2-2	B	17-1/2	21	22	16-1/2x19	3/8	3/4	35	\$330.11	
CAPF1824C6	1-1/2-2	C	21	21	22	20x19	3/8	3/4	42	\$381.34	
CAPF3030A6	2-1/2	A	14	21	22	13x19	3/8	3/4	41	\$404.10	
CAPF3030B6	2-1/2	B	17-1/2	21	22	16-1/2x19	3/8	3/4	43	\$414.06	
CAPF3030C6	2-1/2	C	21	21	22	20x19	3/8	3/4	44	\$419.76	
CAPF3030D6	2-1/2	D	24-1/2	21	22	23-1/2x19	3/8	3/4	52	\$441.10	
CAPF3131B6	2-1/2	B	17-1/2	21	22	16-1/2x19	3/8	3/4	46	\$399.83	
CAPF3131C6	2-1/2	C	21	21	26	20x19	3/8	3/4	50	\$414.06	
CAPF3137B6	2-1/2-3	B	17-1/2	21	30	16-1/2x19	3/8	3/4	53	\$603.31	
CAPF3636A6	3	A	14	21	26	13x19	3/8	3/4	40	\$449.64	
CAPF3636B6	3	B	17-1/2	21	26	16-1/2x19	3/8	3/4	44	\$461.02	
CAPF3636C6	3	C	21	21	26	20x19	3/8	3/4	53	\$479.52	
CAPF3636D6	3	D	24-1/2	21	26	23-1/2x19	3/8	3/4	51	\$499.44	
CAPF3642C6	3-3-1/2	C	21	21	30	20x19	3/8	3/4	49	\$550.66	
CAPF3642D6	3-3-1/2	D	24-1/2	21	30	23-1/2x19	3/8	3/4	52	\$562.05	
CAPF3743C6	3-3-1/2	C	21	21	30	20x19	3/8	7/8	63	\$607.58	
CAPF3743D6	3-3-1/2	D	24-1/2	21	30	23-1/2x19	3/8	7/8	75	\$616.12	
CAPF4860C6	4-5	C	21	21	30	20x19	3/8	7/8	65	\$653.11	
CAPF4860D6	4-5	D	24-1/2	21	30	23-1/2x19	3/8	7/8	68	\$643.15	
CAPF4961C6	4-5	C	21	21	30	20x19	3/8	7/8	73	\$719.99	
CAPF4961D6	4-5	C	24-1/2	21	30	23-1/2x19	3/8	7/8	76	\$710.03	
Cased High Efficiency with R-410a TXV valves factory installed inside the case											
CAPT3131B4	N/A	B	17-1/2	21	22	16-1/2x19	3/8	3/4	46	\$498.02	
CAPT3131C4	N/A	C	21	21	22	20x19	3/8	3/4	50	\$515.09	
CAPT3743C4	N/A	C	21	21	30	20x19	3/8	7/8	63	\$690.11	
CAPT3743D4	N/A	D	24-1/2	21	30	23-1/2x19	3/8	7/8	75	\$705.76	
CAPT4961C4	N/A	C	21	21	30		3/8	7/8	73	\$785.44	
CAPT4961D4	N/A	D	24-1/2	21	30		3/8	7/8	76	\$791.13	
Un-Cased Coils											
CAUF1824A6A	1-1/2-2	A	13	20-1/8	18-1/8	N/A	3/8	3/4	18	\$274.62	
CAUF1824B6A	1-1/2-2	B	16-1/2	20-1/8	20	N/A	3/8	3/4	23	\$281.73	
CAUF1824C6A	1-1/2-2	C	20	20-1/8	17-1/4	N/A	3/8	3/4	27	\$305.92	
CAUF3030A6A	2-1/2	A	13	20-1/8	20	N/A	3/8	3/4	25	\$324.42	
CAUF3030B6A	2-1/2	B	16-1/2	20-1/8	20	N/A	3/8	3/4	22	\$328.69	
CAUF3030C6A	2-1/2	C	20	20-1/8	18	N/A	3/8	3/4	25	\$355.73	
CAUF3030D6A	2-1/2	D	23	20-1/8	17-3/8	N/A	3/8	3/4	32	\$369.95	
CAUF3131B6A	2-1/2	B	16-1/2	20-1/8	19-15/16	N/A	3/8	3/4	27	\$328.69	
CAUF3131C6A	2-1/2	C	20	20-1/8	23-3/4	N/A	3/8	3/4	31	\$367.11	
CAUF3137B6	2-1/2-3	B	16-1/2	20-1/8	27	N/A	3/8	3/4	53	\$526.47	
CAUF3636A6A	3	A	13	20-1/8	24-1/8	N/A	3/8	3/4	30	\$371.38	
CAUF3636B6A	3	B	16-1/2	20-1/8	23-15/16	N/A	3/8	3/4	25	\$381.34	
CAUF3636C6A	3	C	20	20-1/8	23-1/2	N/A	3/8	3/4	28	\$404.10	
CAUF3636D6A	3	D	23	20-1/8	31	N/A	3/8	3/4	36	\$473.83	
CAUF3642C6A	3-3-1/2	C	20	20-1/8	27-15/16	N/A	3/8	3/4	29	\$476.67	
CAUF3642D6A	3-3-1/2	D	23	20-1/8	27-3/4	N/A	3/8	3/4	34	\$495.17	
CAUF3743C6	3-3-1/2	C	20	20-1/8	28-1/16	N/A	3/8	7/8	46	\$533.59	
CAUF3743D6	3-3-1/2	D	23	20-1/8	27-3/8	N/A	3/8	7/8	43	\$547.82	
CAUF4860C6A	4-5	C	20	20-1/8	28	N/A	3/8	7/8	48	\$589.08	
CAUF4860D6A	4-5	D	23	20-1/8	28	N/A	3/8	7/8	39	\$567.74	
CAUF4961C6	4-5	C	20	20-1/8	28	N/A	3/8	7/8	54	\$657.38	
CAUF4961D6	4-5	D	23	20-1/8	27	N/A	3/8	7/8	59	\$636.04	

Butt-Up Horizontal Evaporator Coils

Goodman Horizontal Indoor AC coils											
GOO-Model	Nom. Tons	Width	Depth	Width	Height	Plenum WxH	Connections Liquid	Suction	Ship Weight	Trade	2.7.19
CHPF1824A6	1.5-2	A	21-1/8	26	14	19x13	3/8	3/4	36	\$341.50	
CHPF2430B6	2-2.5	B	21-1/8	26	17-1/2	19x16-1/2	3/8	3/4	55	\$405.53	
CHPF3636B6	3	B	21-1/8	26	17-1/2	19x16-1/2	3/8	3/4	50	\$409.80	
CHPF3642C6	3-3.5	C	21-1/8	26	21	19x20	3/8	3/4	63	\$463.87	
CHPF3642D6	3-3.5	D	21-1/8	26	24-1/2	19x23-1/2	3/8	7/8	66	\$510.82	
CHPF3743C6	3-3.5	C	21-1/8	26	21	19x20	3/8	7/8	63	\$493.75	
CHPF3743D6	3-3.5	D	21-1/8	26	24-1/2	19x23-1/2	3/8	7/8	63	\$544.97	
CHPF4860D6A	4-5	D	21-1/8	26	24-1/2	19x23-1/2	3/8	7/8	77	\$580.54	

ARUF

- Check flowrator
- Direct Drive PSC Blower
- Galvanized leather grain finish
- 3-25 KW electric strip kit ready



ASPT

- W/TXV valve
- 5 Speed ECM motor
- Galvanized leather grain finish
- 3-25 KW electric strip kit ready



AVPTC

- W/TXV valve
- Variable Speed ECM motor
- Comfortnet Compatible
- 3-25 KW electric strip kit ready



Additions sizes available call Tom or Bob Zima for details

Check Match Up Chart On Line to specify equipment

ARUF Multi-Position Unpainted Air Handler with 3 speed PSC motor 2.7.19

230V wiring	Non. Cool	Line Set	Plenun	Dimensions	Weight	Trade
Mod #	Tons		WxD	H/W/D	Lbs	Price
ARUF25B14	1-1/2 - 2	3/8-3/4	16-3/8x11-5/16	45x17-1/2x21	100	\$ 752.71
ARUF29B14	2 - 2-1/2	3/8-3/4	16-3/8x11-5/16	45x17-1/2x21	100	\$ 782.60
ARUF31B14	2-1/2	3/8-7/8	16-3/8x11-5/16	53-7/16x17-1/2x21	110	\$ 853.74
ARUF37C14	3	3/8-7/8	19-7/8x11-5/16	53-7/16x21x21	130	\$ 929.15
ARUF37D14	3	3/8-7/8	23-5/16x11-5/16	53-7/16x24-1/2x21	140	\$ 964.73
ARUF43C14	3-1/2	3/8-7/8	19-7/8x11-5/16	53-7/16x21x21	130	\$ 971.84
ARUF43D14	3-1/2	3/8-7/8	23-5/16x11-5/16	53-7/16x24-1/2x21	145	\$1,044.41
ARUF47D14	4	3/8-7/8	23-5/16x11-5/16	58x24-1/2x21	150	\$1,136.90
ARUF49C14	4	3/8-7/8	19-7/8x11-5/16	53-7/16x21x21	135	\$1,209.47
ARUF49D14	4	3/8-7/8	23-5/16x11-5/16	53-7/16x24-1/2x21	145	\$1,237.92
ARUF61D14	5	3/8-7/8	23-5/16x11-5/16	58x24-1/2x21	155	\$1,287.72

ASPT Multi Position 5 Speed ECM motor w/TXV valves 2.7.19

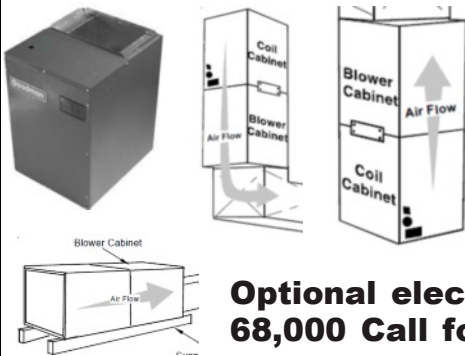
230V wiring	Non. Cool	Line Set	Plenun	Dimensions	Weight	Trade
Mod #	Tons		WxD	H/W/D	Lbs	Price
ASPT25B14	2	3/8-3/4	16-3/8x11.3	45x17-1/2x21	116	\$1,095.63
ASPT30C14	2-1/2	3/8-7/8	16-3/8x11.3	53-7/16x17-1/2x21	129	\$1,152.55
ASPT36C14	3	3/8-7/8	19-7/8x11.3	53-7/16x21x21	144	\$1,205.20
ASPT47C14	3-1/2	3/8-7/8	19-7/8x11.3	53-7/16x21x21	144	\$1,287.72
ASPT49C14	4	3/8-7/8	19-7/8x11.3	53-7/16x21x21	144	\$1,498.31
ASPT61D14	5	3/8-7/8	23-5/16x11.3	58x24-1/2x21	144	\$1,502.58

AVPTC Multi Position Variable Speed Comfort net w/TXV valves 2.7.19

230V wiring	Non. Cool	Line Set	Plenun	Dimensions	Weight	Trade
Mod #	Tons		WxD	H/W/D	Lbs	Price
AVPTC25B14A	2	3/8-7/8	16-3/8x11.3	45x17-1/2x21	116	\$1,293.42
AVPTC31C14A	2-1/2	3/8-7/8	20x11.3	53-7/16x21x21	144	\$1,438.55
AVPTC37C14A	3	3/8-7/8	20x11.3	53-7/16x21x21	144	\$1,472.70
AVPTC49D14A	3-1/2	3/8-7/8	23-3/8x11.3	58x24-1/2x21	167	\$1,750.17
AVPTC59D14A	4	3/8-7/8	23-3/8x11.3	58x24-1/2x21	155	\$1,757.28
AVPT61D14A	5	3/8-7/8	23-3/8x11.3	58x24-1/2x21	167	\$1,777.20

AIR CONDITIONING

Modular Blowers add cased coil for air conditioning



Multi-Speed Modular Blower 2.7.19

230V wiring	Non. Cool	Plenun	Dimensions	Weight	Trade
Mod #	Tons	WxD	H/W/D	Lbs	Price
PSC blower motors					
MBR1200A	1-1/2-3	16-1/2x10-3/16	26x17-1/2x21	72	\$399.83
MBR1600A	3-1/2-4	20-1/16x11-1/4	30x21x21	82	\$422.60
MBR2000A	5	23-1/2x11-1/4	30x24-1/2x21	94	\$398.41
ECM Comfort Net ready blower motors					
MBVC1200A	1-1/2-3	16-1/2x10-3/16	26x17-1/2x21	67	\$798.25
MBVC1600A	2-1/2-4	20-1/16x11-1/4	30x21x21	80	\$859.43
MBVC2000A	3-5	23-1/2x11-1/4	30x24-1/2x21	86	\$895.00

Optional electric heat strips available from 3 to 20 KW 10,000 to 68,000 Call for pricing

ASPEN

Hydro-Air Hot Water Coil heating based AC air Handler



- Five year limited parts warranty
- Galvanized steel cabinet w/painted front panels
- R410A or R22 coils
- Upflow or Horizontal right, field convertible to downflow or horizontal left
- Call for ECM motor option price and availability

Aspen Hydro-Air Handler PSC Blower Motor 2.7.19

120 Volt Wiring	Non. Cool	Max Heat 5 GPM High Speed	Blower	Plenun	Dimensions	Weight	Trade				
Mod # ASP-	Tons	Rows	120°F	140°F	180°F	CFM	HP	WxD	H/W/D	Lbs	Price
ABM24G000WC3SL	2	3	36,900	38,000	60,300	800	1/5	18-3/4x12	49-1/4x21x20-1/2	100	\$ 811.79
ABM30G000WC3SL	2-1/2	3	32,800	46,300	73,700	1,190	1/3	18-3/4x12	49-1/4x21x20-1/2	118	\$ 893.31
ABM36G000WC3SL	3	3	32,800	46,300	73,700	1,190	1/3	18-3/4x12	49-1/4x21x20-1/2	147	\$ 934.07
ABM42G000WC4SL	3-1/2	4	45,000	63,600	94,000	1,670	3/4	22-1/4x14-3/4	57x24-1/2x20-1/2	153	\$1,219.38
ABM48G000WC4LL	4	4	55,000	77,700	116,300	1,670	3/4	22-1/4x14-3/4	57x24-1/2x20-1/2	180	\$1,239.76
ABM60G000WC4LL	5	4	55,000	77,700	116,300	1,670	3/4	22-1/4x14-3/4	57x24-1/2x20-1/2	200	\$1,249.95

2019 EQUIPMENT CATALOG

ALBANY
(518) 465-3421 Fax 465-4644

SARATOGA SPRINGS
(518) 584-4499 Fax 584-2902

SCHENECTADY
(518) 374-2227 Fax 374-0260

Cabinet Width Codes			
A	=	14"	A-Coil & Furnace Width
B	=	17-1/2"	A-Coil & Furnace Width
C	=	21"	A-Coil & Furnace Width
D	=	24-1/2"	A-Coil & Furnace Width

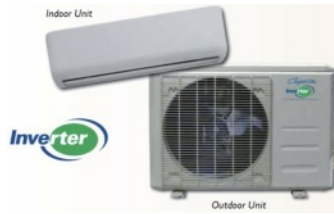
Match Up Chart Goodman AC Units							
Note: Match Width Code A, B, C, D between coil and furnace							
Check on line at *** www.goodmanmfg.com *** for latest match up and ARI certification #							
Cond. Unit	Tons			Coil Cased	Coil Uncased	HT Coil	Butt-Up
13 SEER GSX R410A 8.16							
*** A Coil flowrater must be changed to match condenser. See I/O manual for details***							
***TXV (X) required ECM (X) required for SEER rating							
Cond. Unit	Tons	TXV	ECM	Coil Cased	Coil Uncased	HT Coil	Butt-Up
GSX13018	1-1/2			CAPF1824	CAUF1824	CHPF1824	
GSX13024	2			CAPF1824	CAUF1824	CHPF2430	
GSX13030	2-1/2			CAPF3030	CAUF3030	CHPF2430	
GSX13036	3			CAPF3636	CAUF3636	CHPF3636 OR 3642	
GSX13042	3-1/2			CAPF3642	CAUF3642	CHPF3642	
GSX13048	4			CAPF4860	CAUF4860	CHPF4860	
GSX13060	5			CAPF4860	CAUF4860	CHPF4860	
Cond. Unit	Tons	TXV	ECM	Coil Cased	Coil Uncased	HT Coil	Butt-Up
16 SEER R410A GSX Series *** Check on line for latest spec and ARHI # ***							
GSX160181F	1-1/2	x	x	CAPF3636	CAUF3636	CHPF3636	
GSX160241F	2	x	x	CAPF3636	CAUF3636	CHPF3636	
GSX160301F	2-1/2	x	x	CAPF4860	CAUF4860	CHPF3743	
GSX160361F	3	x	x	CAPF4860	CAUF4860	CHPF4860	
GSX160421F	3-1/2	x	x	CAPF4961	CAUF4961	CHPF4860	
GSX160481F	4	x	x	CAPF4961	CAUF4961	CHPF4860	
GSX160601F	5	x	x	CAPF4961	CAUF4961	CHPF4860	
R410A TXV Expansion Valves							
GOOP-TX2N4A	R410A	1-1/2-2	expansion valve				\$73.25
GOOP-TX3N4	R410A	1-1/2-3	ton expansion valve				\$73.25
GOOP-TX5N4	R410A	3-1/2-5	ton expansion				\$73.25

Con Unit (Tons)	Refrigerant Line Length (ft) 13 - 16 SEER R410A					
	0-24 ft		25-49 ft		50-74 ft	
	Suct	Liq	Suc	Liq	Suct	Liq
1-1/2	5/8	1/4	3/4	3/8	3/4	3/8
2	5/8	1/4	3/4	3/8	3/4	3/8
2-1/2	5/8	1/4	3/4*	3/8	7/8	3/8
3	3/4	3/8	7/8	3/8	1-1/8	3/8
3-1/2	7/8	3/8	1-1/8	3/8	1-1/8	3/8
4	7/8	3/8	1-1/8	3/8	1-1/8	3/8
5	7/8	3/8	1-1/8	3/8	1-1/8	3/8

Lines greater than 79 feet of length or vertical elevations changes more than 50 feet refer to the Remote Cooling Service Manual or call for assistance

Model #	Description EZ Pull Jacket	Trade
LSE-25-3/8x3/4x1/2	LINESET EZPULL 3/8X3/4X1/2INS 25FT	\$ 109.50
LSE-25--3/8x7/8x1/2	LINESET 3/8 X 7/8 X 1/2INS 25FT	\$ 140.80
LSE-50-3/8x3/4x1/2	LINESET 3/8 X 7/8 X 1/2INS 50FT	\$ 199.26
LSE-50-3/8x7/8x1/2	LINESET 3/8 X 7/8 X 1/2INS 50FT	\$ 255.96
LSE-50-3/8x1-1/8x1/2	LINESET 3/8 X 1-1/8 X 1/2INS 50FT	\$ 342.54

Pricing can change weekly, call for current cost



Comfort-Aire/Century Ultra-V Series Mini-splits can operate down to -22°F and provide 100% output when outdoor temperatures is 0°F

Single Zone Ductless Mini-Split

Ductless Mini-Splits

Stock & *NonStock - SVH 15 SEER Heating & Cooling Single Zone Inverter Ductless Mini-Split Heat Pump																	12.04.19
Model # Kit	Electric	Heating Temp Range 5 - 86°F					Cooling Temp Range 32-122°F			Warranty: 5 Years Compressor, 1 years on parts							
Indoor + Outdoor Unit 0=115V 1=230V	Electrical V & Min. Cir Amps	Capacity Btuh	Nom. Tons	SEER AC Eff.	HSPF - CoP	Outdoor Model #	Outdoor Unit W-H-D	Unit Wt Lbs	Indoor Unit Model #	Indoor Unit W-H-D	Unit Wt Lbs	Line Set	Max Line set length	Max Elevation Ft	Total Trade	Indoor/Outdoor Units	
*SVH09SA-0	115V 15A	9,000	0.75	15	10.5	A-SVH09SA-0	31-22-12	63	B-SVH09SA-0	28-12-7.8	16	1/4x3/8	82	32	\$ 718.84		
*SVH12SA-0	115V 15A	12,000	1	15.5	10.2	A-SVH12SA-0	31-22-12	67	B-SVH12SA-0	32-12-7.8	17	1/4x1/2	82	33	\$ 792.64		
SVH09SA-1	230V 15A	9,000	0.75	15	10.5	A-SVH09SA-1	31-22-12	63	B-SVH09SA-1	28-12-7.8	16	1/4x3/8	82	32	\$ 718.84		
SVH12SA-1	230V 15A	12,000	1	15.5	10.2	A-SVH12SA-1	31-22-12	67	B-SVH12SA-1	32-12-7.8	17	1/4x1/2	82	33	\$ 792.64		
SVH18SA-1	230V 15A	18,000	1.5	15.5	11	A-SVH18SA-1	31-22-14	87	B-SVH18SA-1	38-12-8.4	23	1/4x1/2	98	66	\$ 1,151.56		
SVH24SA-1	230V 15A	24,000	2	15	9	A-SVH24SA-1	34-28-14	113	B-SVH24SA-1	41-13-8.7	30	3/8x5/8	98	66	\$ 1,310.29		

On Hand/Special Order : DVH 17 SEER Single Zone Heating & Cooling Ductless Mini-Split Inverter Series Heat Pumps																	
Model # Kit	Electric V	Heating Temp Range 5 - 86°F					Cooling Temp Range 5 - 122°F			Warranty: 6 Years Compressor, 2 years on parts							
In + Out Door	Min.Cir A	Btuh	Tons	SEER	HSPF	Outdoor	W-H-D	Lbs	Indoor	W-H-D	Lbs	Line Set	LS Max	Max Elev	Trade		
*DVH09SF-0	120V 15A	9,000	0.75	17	9	A-DVH09SF-0	31-22-12	64	B-DVH09SF-0	29-12-8	17	1/4x3/8	82	33	\$ 718.84		
*DVH12SF-0	120V 15A	12,000	1	17.2	9	A-DVH12SF-0	31-22-12	65	B-DVH12SF-0	32-12-8	19	1/4x1/2	82	33	\$ 792.64		

Stock: VMH Large Capacity 16-19 SEER Single Zone Heating & Cooling Inverter Ductless Mini-Split Heat Pumps																	
Model # Kit	Electric V	Heating Temp Range 5 - 86°F					Cooling Temp Range 5 - 122°F			Warranty: 6 Years Compressor, 2 years on parts							
In + Out Door	Min.Cir A	Btuh	Tons	SEER	HSPF	Outdoor	W-H-D	Lbs	Indoor	W-H-D	Lbs	Line Set	LS Max	Max Elev	Trade		
VMH30SD-1	230V 15A	30,000	2-1/2	16	9.6	A-VMH30SD-1	36-34-13	157	B-VMH30SD-1	57-14-11	53	3/8x5/8	82	32	\$ 2,027.19		
VMH36S C or D	230V 20A	36,000	3	14.5	9	A-VMH36SD-1	39-38-14	181	B-VMH36SD-1	57-14-11	53	3/8x5/8	82	32	\$ 2,258.87		

Stock -VMH Low Temp UltraV 20-25 SEE : Single Zone Heating & Cooling Inverter Ductless Mini-Split Heat Pumps																	
VMH Ultra V Single Zones outdoor units are fully compatible with VMH UltraV Multi-Zone Indoor High Wall, Cassette, Ducted, Ceiling or Floor Units*																	
Model # Kit	Electric V	Heating Temp Range -22 - 86°F					Cooling Temp Range -22 - 122°F			Warranty: 6 Years Compressor, 2 years on parts							
In + Out Door	Min.Cir A	Btuh	Tons	SEER	HSPF	Outdoor	W-H-D	Lbs	Indoor	W-H-D	Lbs	Line Set	LS Max	Max Elev	Trade		
VMH09SU-1	230V 9A	9,000	0.75	25	11.2	A-VMH09SU-1	32-22-13	89	B-VMH09SU-1	33-11-8	20	1/4x3/8	82	33	\$ 1,331.00		
VMH12SU-1	230V 9A	12,000	1	22.5	12	A-VMH12SU-1	32-22-13	89	B-VMH12SD-1	33-11-8	20	1/4x1/2	82	33	\$ 1,446.84		
VMH18SU-1A	230V 18A	17,000	1.5	20.5	10.3	A-VMH18SU-1A	34-28-15	108	B-VMH18SU-1A	39-13-9	27	1/4x1/2	98	66	\$ 1,935.68		
VMH24SU-1	230V 20A	24,000	2	20	10.3	A-VMH24SU-1	38-32-17	135	B-VMH24SD-1	47-14-11	41	3/8x5/8	164	82	\$ 2,161.56		

Special Order: DVC Cooling Only 16-17 SEER Cooling Only Inverter Ductless Mini-Split																	
Model # Kit	Electric	Cooling Only					Cooling Temp Range 5 - 122°F			Warranty: 6 Years Compressor, 2 years on parts							
In + Out Door	Min.Cir A	Btuh	Tons	SEER	HSPF	Outdoor	W-H-D	Lbs	Indoor	W-H-D	Lbs	Line Set	LS Max	Max Elev	Trade		
*DVC09SF-0	115V 8.7A	9,000	0.75	16	N/A	A-DVC09SD-0	26-22-11	63	B-DVC09SD-0	27-10-7	16	1/4x3/8	66	26	\$ 839.84		
*DVC12SF-0	115V 11.7A	12,000	1	16.5	N/A	A-DVC12SD-0	26-22-11	65	B-DVC12SD-0	31-10-8	17	1/4x1/2	66	26	\$ 931.34		
*DVC18SF-1	230V 8.7A	18,000	1.5	16	N/A	A-DVC18SD-1	30-24-12	76	B-DVC18SD-1	36-11-8	20	1/4x1/2	82	33	\$ 1,378.49		
*DVC24SF-1	230V 10.7A	22,000	2	17	N/A	A-DVC24SD-1	34-28-13	98	B-DVC24SD-1	41-13-9	27	3/8x5/8	82	33	\$ 1,573.10		

Specifications and slight model changes occur often go to www.mars.com for latest information Non-Stock and Out of Stock Add \$100 for freight

EZ Pull Line Sets Bare Ends (not flared) (Copper Prices can change daily call for latest Line Set Pricing)													Control Wire	
Lgths	1/4" X 3/8"			1/4" X 1/2"			3/8" X 5/8"			Control Wire				
	Size	Model #	Trade	Lgths	Size	Model #	Trade	Lgths	Size	Model #	Trade	Control Wire		
25'	1/4 x 3/8	LSME-25-1/4X3/8	\$ 91.47	25'	1/4 x 1/2	LSME-25-1/4X1/2	\$ 94.29	25'	3/8" X 5/8"	LSME-25-3/8X5/8	\$ 106.45	7603-900 30' 4/14 AWG stranded		
50'	1/4 x 3/8	LSME-50-1/4X3/8	\$169.02	50'	1/4 x 1/2	LSME-50-1/4X1/2	\$ 174.15	50'	3/8" X 5/8"	LSME-50-3/8X5/8	\$ 194.30	7603-901 55' 4/14 AWG stranded		
CEN-SURGE	Surge protectors are highly recommended to protect control boards											\$ 56.76	7603-902 250' 4/14 AWG stranded	

Features

- Super Efficient- up to 25 SEER 12 HSPF
- Low Ambient Operation-
 - Ultra units heat and cool down to -22°F
 - Standard units heat down to 5°F
- Whisper Quiet
- Multiple Modes- Cooling, Heating, Dehumidification, sleep mode, 24 hour timer, turbo and auto
- Remote Control included for easy operation and programming:
- Defrost Control- Automatically removes frost accumulation on coil as needed

- Follow Feature- remote senses where temperature where occupant is
 - Auto Restart- reverts to the last setting follow a power failure
 - Attractive Cabinet- slim profiles with rounded corners, subtle white finish
 - Auto Swing- continually adjust air flow direction for a gentle, breeze like effect
- Why Use Comfort-Aire/Century Mini-Splits
- They have been manufacturing and distributing HVAC equipment since 1933
 - Excellent Factory Tech & Parts Support

Comfort-Aire/Century Multi-Zone Ductless Mini-Split Inverter Drive Heat Pumps 18,000-48,000 BTU/HR

Ductless Mini-Splits

- Ambient Operating Temperature Range: -22 to 122°F Cooling -22 to 86°F Heating
- 5 Different Indoor Units available: High Wall, Ceiling, Ceiling Cassette, Floor mount and ducted
- Recommended Indoor Unit Sizing: **65% to 150% of outdoor unit condenser capacity see specs for details**
- Features: Auto Swing, Multi Modes (Sleep, 24 hour timer, Turbo, Auto) Intelligent Pre-Heating (prevents cold blow) Auto Operation (automatically selects heating or cooling mode to maintain temperature/humidity)
- Follow Function (Senses temperature and direct air to remote) Superior Filtration, Auto Defrost, Self-Clean



Ambient Operating Temperature Range:
 -22° - 122° F (cooling)
 -22° - 86° F (heating)



Outdoor unit and High Wall Indoor units are normally in stock, additional freight charges may apply for special order items.



Multi-Zone UltraV Low Temp Ductless Mini-Split Inverter Heat Pumps											12.04.19	
Outdoor Units: Heating down to -22°F to 86°F, Cooling -22°F to 122°F												
Warranty: 7 Years Compressor, 2 years on parts												
Model #	Stock	Capacity Note: Total of all units cannot be less than 65% or more than 150% of condenser capacity										
Outdoor Condensers		Cooling BTU Capacity Range	Non. Tons	# of Zones	SEER AC Eff.	HSPF - CoP	Total length All zones	Max Elevation Ft	230 Volt Min-Amps Max Breaker	Dimension WxHxD approx	Unit Weight Aprox	Trade Outdoor Unit Only
A-VMH18DU-1	Stock	19,000	1.5	1-2	21.5	9.8	131	33	25-35	38-32-16	161	\$ 1,626.38
A-VMH28TU-1	Stock	28,000	2.3	1-3	22	10.4	197	33	30-45	38-32-16	168	\$ 1,994.64
A-VMH36QU-1	Stock	36,000	3	1-4	21.5	10.5	262	33	35-50	38-53-17	255	\$ 2,763.95
A-VMH48PU-1	Stock	48,000	4	5	18.5	10	262	33	35-50	38-53-17	255	\$ 3,436.84

Sizing: See Match up Chart on page 19 for minimum and maximum indoor to indoor unit capacity per outdoor unit

UltraV Low Temp VFM Series Single and Multi-Zone Indoor Units										12.4.19
Indoor Units for Single or Multi-Zone VFM Series Mini-Splits										
Indoor High Wall In Stock	Stock	BTU Range	Non. Tons	Dehumidification Pts/hr	CFM Fan Speed Range	Line Set	Dimension WxHxD approx	Weight	Trade Unit Only	
B-VMH09SU-1	Stock	9,000	0.75	2.32	247-418	1/4-3/8	33-11-7.8	20	\$ 399.64	
B-VMH12SU-1	Stock	12,000	1	2.75	247-418	1/4-1/2	33-11-7.8	20	\$ 433.24	
B-VMH18SU-1A	Stock	17,000	1.5	3.59	353-599	1/4-1/2	39-13-9	27	\$ 580.35	
B-VMH24SU-1	Stock	24,000	2	5.49	500-794	3/8-5/8	47-14-10	40	\$ 648.70	
Ceiling Cassettes Special Order		BTU Range	Non. Tons	Dehumidification Pts/hr	CFM 7. speed fan	Line Set	Dimension WxLxH approx	Weight	Trade Unit Only	
B-VMH09CU-1	N/S	9,000	0.75	2.82		1/4-3/8	23-23-10		\$ 430.50	
B-VMH12CU-1	N/S	12,000	1	3.08		1/4-1/2	23-23-10		\$ 445.72	
B-VMH18CU-1	N/S	18,000	1.5	6.16		1/4-1/2	23-23-10		\$ 485.56	
B-VMH24CU-1	N/S	24,000	2	7.04		3/8-5/8	33-33-8		\$ 508.64	
C-VMH91218CU-1	N/S						Front Panel 9, 12 & 18 CA units		\$ 50.71	
C-VMH24CU-1	N/S						Front Panel for 23K CA unit		\$ 100.47	
Ducted Indoor Units Special Order		BTUH Aprox.	Non. Tons	Dehumidification Pts/hr	CFM 7 speed fan	Line Set	Dimension WxHxD approx	Unit Weight Aprox	Trade Unit Only	
B-VMH09DU-1	N/S	9,000	0.75	2.82	177-353	1/4x3/8	28-8-18	38	\$ 392.20	
B-VMH12DU-1	N/S	12,000	1	3.08	177-353	1/4-1/2	28-8-18	38	\$ 396.96	
B-VMH18DU-1	N/S	18,000	1.5	6.16	371-530	1/4x1/2	35-9-29	54	\$ 458.80	
B-VMH24DU-1	N/S	24,000	2	7.04	435-779	3/8x5/8	43-10-30	87	\$ 623.12	
Floor Mount Indoor Units		BTUH Aprox.	Non. Tons	Dehumidification Pts/hr	CFM 7 speed fan	Line Set	Dimension WxHxL approx	Unit Weight Aprox	Trade Unit Only	
B-VMH12FU-1	N/S	12,000	1	3.08	248-365	1/4X1/2	28-24-8.3	33	\$ 358.56	
Floor/Ceiling Mount Indoor Units		BTUH Aprox.	Non. Tons	Dehumidification Pts/hr	CFM 3 speed fan	Line Set	Dimension WxHxL approx	Unit Weight Aprox	Trade Unit Only	
B-VMF18UU-1	N/S	18,000	1.5	6.16	525-666	1/4x1/2	42-27-9.3	55	\$ 518.49	
B-VMH24UU-1	N/S	24,000	2	7.04	650-880	3/8x5/8	42-27-9.3	55	\$ 529.63	

Indoor Unit Mix 'n' Match Possibilities

Zones	Indoor Units*	Total BTUH
A-VMH18DU-1 1,2 units	12	12,000
	9+9	18,000
	9+12	21,000
A-VMH28TU-1 1, 2 or 3 units	24	24,000
	9+9	18,000
	9+12	21,000
	9+18	27,000
	9+24	33,000
	12+12	24,000
	12+18	30,000
	12+24	36,000
	18+18	36,000
	9+9+9	27,000
	9+9+12	29,000
	9+9+18	36,000
	9+12+12	33,000
12+12+12	36,000	
A-VMH28QU-1 1, 2, 3 or 4 Units	24	24,000
	9+18	27,000
	9+24	33,000
	12+12	24,000
	12+18	30,000
	12+24	36,000
	18+18	36,000
	18+24	42,000
	9+9+9	27,000
	9+9+12	29,000
	9+9+18	36,000
	9+12+12	33,000
	9+12+18	39,000
	9+18+18	45,000
	12+12+12	36,000
	12+12+18	42,000
	12+18+18	48,000
	12+12+24	48,000
	9+9+9+9	36,000
	9+9+9+12	39,000
	9+9+9+18	45,000
9+9+12+12	42,000	
9+9+12+18	48,000	
9+12+12+12	45,000	

Zones	Indoor Units	Total BTUH
A-VMH38PU-1 2, 3, 4, or 5 Units	9+24	33,000
	12+24	36,000
	18+18	36,000
	18+24	42,000
	24+24	48,000
	9+9+18	36,000
	9+12+12	33,000
	9+12+18	39,000
	9+18+18	45,000
	9+18+24	51,000
	9+24+24	57,000
	12+12+12	36,000
	12+12+18	42,000
	12+18+18	48,000
	12+12+24	48,000
	12+18+24	54,000
	12+24+24	60,000
	9+9+9+9	36,000
	9+9+9+12	39,000
	9+9+9+18	45,000
	9+9+9+24	51,000
	9+9+12+24	60,000
	9+9+12+12	42,000
	9+9+12+18	48,000
9+9+12+24	54,000	
9+9+18+24	60,000	
9+12+12+12	45,000	
9+12+12+18	51,000	
9+12+12+24	57,000	
12+12+12+12	48,000	
12+12+12+18	54,000	
12+12+12+24	60,000	
12+12+18+18	60,000	
9+9+9+9+9	45,000	
9+9+9+9+12	48,000	
9+9+9+9+18	54,000	
9+9+9+9+24	60,000	
9+9+9+12+12	51,000	
9+9+9+12+18	57,000	
9+9+9+12+24	63,000	
9+9+9+18+18	60,000	
9+9+12+12+12	54,000	
9+9+12+12+18	60,000	
9+12+12+12+12	57,000	
9K+9K+9K+18K+18K	60,000	
9K+9K+12K+12K+12K	54,000	
9K+9K+12K+12K+18K	60,000	
9K+12K+12K+12K+12K	57,000	

When choosing styles, use only one Floor/Ceiling Mount indoor unit per mix.

Formula

1) Total rated indoor section capacity must be at least 66% of the outdoor section rated capacity.

2) Total rated indoor section capacity may not exceed outdoor section capacity by more than 33%.



Mini-Splits Accessories		Trade
DIV230-B2M	MINI-SPLIT 18" WALL BRACKET 18IN	\$ 54.92
DIV230-B2L	MINI-SPLIT 21" WALL BRACKET 21IN	\$ 58.66
DIV230-D4	4IN x 6.5FT LENGHT SPEEDI-CHANNEL	\$ 40.19
DIV230-DCLIP-10	SPEEDICLIP 11IN CABLE TIES - PK OF	\$ 6.77
DIV230-CP4	4" UNION COUPLING SPEEDI-CHANNEL	\$ 10.12
DIV230-WC4	WALL PENETRATION 4" SPEEDI-CHANNEL	\$ 25.85
DIV230-WS2	WALL PENETRATION SLEEVE 2-1/2" DIA	\$ 11.35
DIV230-DC4	4" END CAP SPEEDICHANNEL	\$ 8.04
DIV230-DE4	DUCT END 4IN SPEEDI-CHANNEL	\$ 12.54
DIV230-EB4	ELBOW 90 DEG INSIDE	\$ 26.17
DIV230-EIN4	ELBOW OUTSIDE 90 DEG	\$ 26.17
DIV230-FB4	ELBOW FLAT 90 DEG BEND DIVERSITECH	\$ 25.70
DIV230-FB454	ELBOW FLAT 45 DEG BEND 4"	\$ 25.70
DIV230-LFB4	ELBOW FLAT LONG TURN 90 DEG	\$ 20.86
DIV230-FJ4	FLEX JOINT 20" 4" SPEEDICHANNEL 20"	\$ 19.16
DIV230-TJ4	TEE JOINT 4"	\$ 45.31



AC outdoor condenser plastic PADS		Trade
DIVEL1838-3	18X38X3 E LITE PLASTIC MINI-SPLIT AC PAD	\$ 26.63
DIVEL2424-2	24X24X2 E LITE PLASTIC AC PAD	\$ 23.55
DIVEL3232-2	32X32X2 E LITE PLASTIC AC PAD	\$ 43.86
DIVEL3636-2	36x36x2 E-LITE PLASTIC AC PAD	\$ 51.69
DIVHPR-6-2P	6" 2-PC HEAT PUMP RISER	\$ 5.34
DIVAER-8	5-8" Adjustable HEAT PUMP Equipment Risers	\$ 6.92



AC Accessories		Description	Trade
DIVDST-6	AC HARD START KIT TORQUE PLUS500%	\$ 23.03	
DIVDAD053S	DIVERSITECH AC LIQUID LINE DRIER	\$ 12.40	
DIV6-9718	TAPE FOAM INSULATING TAPE 1/8 X 2 X	\$ 10.04	
DIV6-202-2	SEALING COMPOUND 2LB SLUG FOR	\$ 6.45	
DIVTriple-D	1 GAL AC COIL CLEANER TRIPLE-D	\$ 28.14	
DIVPF-08	PRO-FLUSH FLUSH SOLVENT 8OZ	\$ 41.46	
DIVPF-16	PRO-FLUSH FLUSH SOLVENT 16OZ AC	\$ 76.93	
DIVPF-KIT	AC LINE SET PRO-FLUSH KIT W/HOSE	\$ 139.64	
DIVPro-Bubble-32	DIVERSITECH PRO-BUBBLE LEAK	\$ 9.93	
DIVGGC-12	DIVERSITECH DRAIN GUN CARTRIDGES	\$ 32.98	



Condensate Pumps - Description		Trade
DIVCP-16	CONDENSATE PUMP 120V 16FT LIFT	\$ 52.23
DIVCP-22	CONDENSATE PUMP 120V 22FT LIFT	\$ 56.65
DIVCP-22LP	CONDENSATE PUMP LOW PROFILE 4-3/8" high	\$ 65.08
DIV-BP-46-115V	BOILER CONDENSATE PUMP 46' LIFT HIGH TEMP UP TO 211 D.F	\$ 321.92
DIVCVMINI	CLEARVUE MINI-SPLIT CONDENSATE PUMP	\$ 144.17

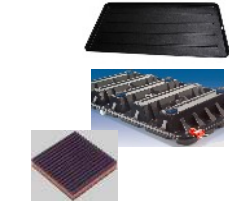


Condensate Accessories		Description	Trade
DIVDTK113B	CONDENSATE DRAIN TRAP KIT W/BRUSH	\$ 16.49	
PVC708ECOND	3/4" PVC P-TRAP	\$ 0.84	
PVC-0357-ECOND	3/4" CONDENSATE DRAIN RUNNING TRAP	\$ 2.52	
DIVET75	DIVERSITECH TEE, CONDENSATE DRAIN	\$ 7.28	
DIVCC-1	CONDENSATE COP DRAIN SAFETY SWITCH	\$ 13.12	
DIVUA-1	ALARM UNIVERSAL FOR CONDENSATE	\$ 15.32	
DIVWS-1	WET SWITCH FLOOD DETECTOR	\$ 49.23	



Condensate Tubing- Description		Trade
HARIV14062-1	5/8" ID X 100' CLEAR VINYL TUBING 7/8" OD	\$ 16.95
DIV230-DL16	5/8" ID X 160FT CORRUGATED ROLL MINI-SPLIT DRAIN HOSE	\$ 61.87
DIV230-DL16	5/8" ID CORRUGATED MINI-SPLIT DRAIN HOSE PER FOOT	\$ 0.56

Condensate Fittings & Clamps		Trade
DIV701-013	3/8" ID BARB X 3/8 MIP ADPT	\$ 0.83
DIV701-012	3/8" ID BARB X 1/2 MIP ADPT (PACK OF 2)	\$ 2.08
DIV701-001	1/2" ID BARB X 1/2 MIP ADPT (PACK OF 2)	\$ 2.24
DIV5-438101	3/4 PVC FTG X 1/2 FIP RED BUSHING PVC	\$ 0.67
DIV701-029	1/2" ID COUPLING HOSE MENDER BARB X	\$ 2.47
DIVB-8H	HOSE CLAMP 1/2" INNER DIAMETER	\$ 1.04

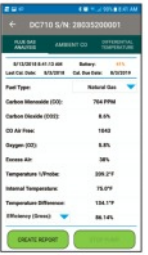


Drain Pans		Description	Trade
DRAINPANAC	30X60X2 STD DRAIN PAN	\$ 35.49	
DIV6-HK3060-1	DIVERSITECH HIGH RISE DRAIN PAN KIT W/CONDENSATE COP, RISERS, ANTI-VIBRATION PAD, 3/4 PVC M. ADPT	\$ 93.51	
DIVMP-4C	ANTI-VIBRATION PAD 4X4 CORK RUB	\$ 1.94	

HK3060-1 High Rise Drain Pan



\$505.95 TPI-DC710C1 Flue Gas Combustion analyzer kit, no display, blue tooth communication to a smart phone app. Includes case, probe and analyzer.





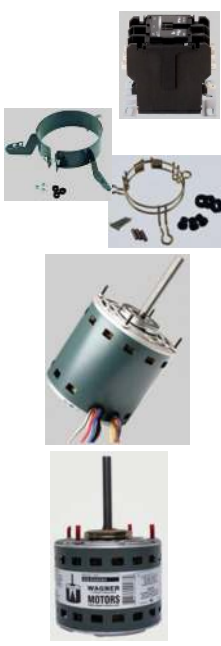
Furnace-Boiler Install Accessories		Trade
DIVCVENT-2	2" PVC CONCENTRIC VENT (NOT RECOMMENDED FOR MODULATING EQUIPMENT)	\$ 43.52
DIVCVENT-3	3" PVC CONCENTRIC VENT (NOT RECOMMENDED FOR MODULATING EQUIPMENT)	\$ 53.33
DIVHVENT-2	2" HORIZONTAL TERM VENT KIT 2INCH	\$ 33.20
DIVHVENT-3	2" HORIZONTAL VENT TERM KIT 3INCH	\$ 33.20
DIVEC-1	DIVERSITECH HI/EFF PVC FLUE CAP FITS 1-1/2, 2 & 3" Pipe	\$ 16.81
DIV7-L300	CABLE TIE TENSIONING TOOL	\$ 30.93
DIVFB-1	FURNACE MOUNTING BLOCK	\$ 6.42
DIV710-100	DUCT HANGING STRAP WOVEN 1-3/4 X	\$ 8.21
DIVAF1620-1	DIVERSITECH PLEATED FILTER 16X20X1	\$ 4.90
DIVAF1624-1	DIVERSITECH PLEATED FILTER 16X24X1	\$ 5.50
Igniters		Trade
DIVIGN-001	DIVERSITECH TRUESTART HSI UNIV	\$ 29.39
DIVIGN-2	DIVERSITECH WOLVERINE HSI UNIVERSAL	\$ 44.66

Boiler Stands	Description	Trade
DIVQSB1000	DIVERSITECH BOILER WALL BRACKET -	\$ 159.12
DIVQSB2000	DIVERSITECH LEG KIT FOR QSB1000	\$ 140.97

Tools Test Equipment - Description		Trade
TPI-DC710C1	TPI FLUE GAS COMBUSTION ANALYZER	\$ 505.94
DIV6-GPK035	GAS PRESSURE TEST KIT W/ HOSE	\$ 70.04
DIV541-300	DIGITAL THERMOMETER -40-230	\$ 21.92
DIVMAG-1	DIVERSITECH MAGJUMPER TERMINAL KIT	\$ 17.00
Misc: Model #	Description	Trade
DIVACP-10	DIVERSITECH ALL PURPOSE CLEANING	\$ 9.38
DIV540-800	MARKER- REGULAR TIP BLACK	\$ 4.21
DIV650-020	DIVERSITECH 4IN PERISCOPE	\$ 30.12
DIVP1237	GAS PIPE GROUNDING CLAMP FOR 8,6,4	\$ 8.03

Conversion Chart	
OD Refrigeration	ID Plumbing
3/8"	1/4"
1/2"	3/8"
5/8"	1/2"
3/4"	5/8"
7/8"	3/4"
1-1/8"	1"

Copper Sizing Chart
 Outside Diameter to Inside Diameter



Electrical Fan Centers, Transformers, Fuses		Trade
DIVDP30224	CONTACTOR AC DP 30A/2P/24V	\$ 14.54
DIVDP40224	CONTACTOR AC DP 40A/2P/24V	\$ 29.14

Blower Motors, Mounts Fan		Trade
DIVDMB-3	GOODMAN MOTOR MOUNT FLEX BRACKET 5-1/2	\$ 31.11
DIVDMB-2	MOTOR BRACKET F/5-1/2" DIA MOTORS, SLIDING LUGS	\$ 13.84
DIVWG840585	1/3HP 115V BLOWER MOTOR - (DDB)	\$ 103.13
DIVWG840587	1/2HP 115V BLOWER MOTOR, (DDB)	\$ 126.91
DIVWG840589	3/4HP 115V BLOWER MOTOR, (DDB)	\$ 131.36
DIVWG840463	1/6-1/2 VAR HP 115V BLOWER MOTOR	\$ 116.43
DIVWG840466	1/5-3/4VAR HP 115V BLOWER MOTOR	\$ 137.32
DIVWG840467	1/5-3/4VA-HP 230V BLOWER MOTOR	\$ 141.84

AC Condenser Universal Fan Motors		Trade
DIVWG840727	1/6HP 208-230V AC CONDENSER	\$ 79.44
DIVWG840728HT	1/4HP 208-230V AC CONDENSER FAN	\$ 96.95

Capacitors Single blower motor		Trade
DIV45050HU	5UF CAPACITOR OVAL MOTOR RUN	\$ 7.07
DIV45075HU	7.5 UF MTR RUN CAPACITOR OVAL	\$ 6.88
DIV45100HU	10UF CAPACITOR OVAL MOTOR	\$ 7.49
DIV45150HU	15UF CAPACITOR OVAL MOTOR RUN	\$ 10.27
DIV45200HU	20UF CAPACITOR MOTOR RUN 370/440V	\$ 11.48

Dual Capacitors AC Fan & Compressor		Trade
DIV4JR0525	25+5UF CAPACITOR MOTOR RUN ROUND	\$ 6.83
DIV4JJ0530	30+5UF DUAL MTR RUN CAPACITOR OVAL	\$ 10.48
DIV4JJ0535	35+5UF DUAL MTR RUN CAPACITOR	\$ 13.52
DIV4JJ0540	40+5UF DUAL CAPACITOR DIVERSITECH	\$ 14.28
DIV4JJ0545	45+5 DUAL CAPACITOR MTR RUN OVAL	\$ 15.51
DIV4JR0550	50+5UF CAPACITOR MOTOR RUN ROUND	\$ 10.34
DIV4JJ0560	60+5UF DUAL MTR RUN CAPACITOR OVAL	\$ 27.17



Electrical Fan Centers, Transformers, Fuses		Trade
DIVT1401	40VA TRANSFORMER OPEN ENCL - 120V X 24V	\$ 13.71
DIVT6753	75VA TRANSFORMER OPEN ENCL - 120V X 24V	\$ 35.04
DIVD-90113	FAN CENTER, 120-24V TRANSFORMER	\$ 33.00
DIV626-AT0003	FUSE -BLADE- AUTO - 3AMP PURPLE	\$ 0.88
DIV626-AT0005	FUSE BLADE AUTO 5AMP PURP	\$ 0.88





Electric Water Heaters

American Electric Water Heater Features

- Glass Lined
- Non-CFC Foam Insulation
- Heat Traps standard 30 gal and larger
- Dip Tube
- T&P Valve factory installed
- Removable Anode rod
- Drain Valve child resistant, corrosion resistant
- 6 year limited tank warranty
- 6 year parts warranty

Eemax

Electric Mini-Tank



- 2-1/2 & 4 Gallon
- Glass Lined
- T&P valve include
- Mounts on wall or floor
- T&P valve include
- Plugs into standard 120 volt outlet
- 5 year tank warranty
- 1 year parts warranty

Electric Water Heaters													
CDS	Gal.	WARRANTY	Voltage	wattage	btu/hr	First							10.11.19
Model	Cap.					Hour	Recovery		Width or	Shipping	Trade		
Number	Cap.					Recovery	90° Rise	EF	Height	Diameter	Weight	Price	
EEMAX & American Electric Water Heaters													
Space Saver		Gal.				Recovery	Recovery	depth	Height	Width/Dia	Weight	Price	
EEMAX-EMT2	2.5	5	120	1200	4,094		5.5	10-3/8	15-1/2	11-3/4	20	\$184.01	
EEMAX-EMT4	4	5	120	1200	4,094		5.5	10-3/8	20-1/4	11-3/4	24	\$200.04	
E61-06U-017SV	6	6	120	1650	5,630		8	N/A	15-1/4	14-1/4	35	\$298.62	
E61-12U-015SV	12	6	120	1500	5,118		7	N/A	22-3/4	16	49	\$422.10	
E61-20U-015SV	19	6	120	1500	5,118		7	N/A	24-3/4	18	68	\$461.16	
Under Counter Side Outlet American						Recovery	Recovery	EF	Height	Diameter	Weight	Price	
E6N-30LS	28	6	240	4500	15,354	43	21	0.91	31-1/4	24	115	\$662.76	
Lowboy Top Outlet American						Recovery	Recovery	EF	Height	Diameter	Weight	Price	
E6N-30L-045DV	28	6	240	4500	15,354	44	21	0.9	31-1/4	24	115	\$516.60	
E6N-36L-045DV	36	6	240	4500	15,354	51	21	0.92	32	24	118	\$516.60	
Standard American		Gal.				Recovery	Recovery	EF	Height	Diameter	Weight	Price	
E6N-30H-045DV	30	6	240	4500	15,354	48	21	0.89	46-1/2	19	95	\$529.20	
E6N-40R-045DV	40	6	240	4500	15,354	55	21	0.92	49-3/4	20-1/2	109	\$471.24	
E6N-50R-045DV	50	6	240	4500	15,354	57	21	0.92	49-1/4	23	161	\$497.70	

Eemax Tankless Electric Water Heaters							
Model	Voltage	wattage	Amps	Temp. Rise of F @ .5 GPM	AWG Wire Size	Trade Price	10.16.08
Single Point Models For undersink handwashing, include .5 gpm aerator Call							
SP2412	120	2.4	20	33	10	\$ -	
SP3012	120	3.0	25	41	10	\$ -	
SP3512	120	3.5	29	48	10	\$ -	
SP3208	208	3.0	14.4	41	14	\$ -	
SP4208	208	4.1	19.7	56	12	\$ -	
Whole House (Note high amp draw, new service may be required)							
	Voltage	wattage	Amps	GPM 65°F Rise			
EX190TC One Full Bath	240	19	80	2	2 - #8	\$ -	
EX280 Two Full Bath	240	28	120	3	3 - #8	\$ -	
EX380 Three Full Bath	240	38	160	4	4 - #8	\$ -	

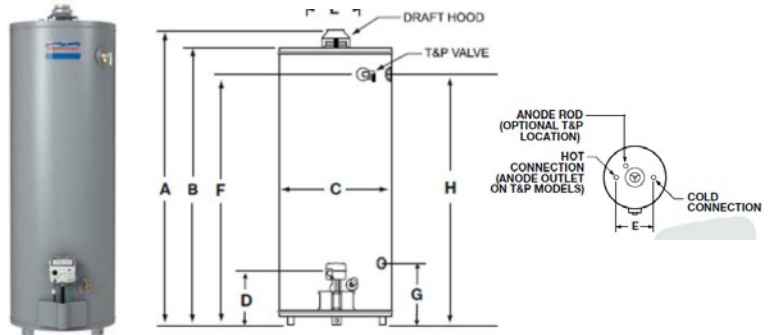
Residential Water Heater Sizing Guide			
Family Size	Demand	Gallon Capacity Required	
		Electric	Gas
5+	High	-	75
	Regular/Low	80	50
3-4	High	80	50-75
	Regular/Low	50	40
2-3	High	50	40-50
	Regular/Low	40	40
1-2	High	40-50	40-50
	Regular/Low	30	30

This chart is for determining appropriate water heater capacity in response to individual family requirements. Individual use may vary. Sizing is based on 3 gallons per minute shower head and standard bathtub. Accommodations for larger capacity and higher recovery water heaters should be made for high demand conditions.

➤ Gas Chimney Vent Residential Water Heaters

Flame Guard Residential

- Non-Metallic, Corrosion-Free Drain Valve
- Fused Ceramic Shield Tank Lining
- Combination Thermostat/ECO
- Non-CFC Foam Insulation
- Piezo Electric Igniter



WATER HEATERS

American Gas Water Heaters					Warranty: 6 Year Tank, 6 Year Parts							
6 Year Nat Gas Flame Guard												10.11.19
Model #	Gal. Cap.	Gas	Input MBTU	First Hour Rating	Recovery GPH 90° Rise	Energy Factor	Vent	Tank Dia.	Height to Vent	Weight	Trade	
G62-30S30-NV	30	NAT	30,000	52	31	0.6	3-4	19-3/4	49-1/4	116	\$ 574.41	
G62-40S40-3NV	40	NAT	40,000	67	41	0.59	3-4	22	51-1/2	135	\$ 521.52	
G62-40T40-3NV	40	NAT	40,000	80	41	0.66	3-4	19-3/4	61-3/4	138	\$ 533.82	
G61-50T40NV	50	NAT	40,000	81	41	0.62	3-4	21	60-3/4	148	\$ 653.13	
6 Year LP Gas			LP		LP							
G62-40S40-3PV	40	LP	36,000	67	41	0.59	3-4	22	51-1/2	135	\$ 583.02	
G61-50T40-PV	50	LP	36,000	82	43	0.61	3-4	21	61	161	\$ 702.33	
6 Year Nat Gas (Non-Flame Guard at this time)												
G62-75T75-4NV	75	NAT	75,100		81	N/A	4	26-1/2	61	275	\$1,129.14	



➤ Gas Power Flex Power Vent

Features: *****New*** .70 Energy Factor on 40 & 50 gal. Models**

- 6-Year Tank and Parts Warranty
- PVC Venting Side Wall or Thru-The Roof up to 180 feet away
- 2" Non CFC Foam Insulation
- T&P Valve included
- 1/2" Gas connection
- Electrical: 120 VAC less than 5 amps draw



American Gas Water Heaters					Warranty: 6 Year Tank, 6 Year Parts							10.11.19
Power Vent: Single PVC Vent Pipe												
Model #	Gal. Cap.	Input Nat/LP	First Hour	Recovery GPH 90° Rise	Energy Factor	Vent	Tank Dia.	Height to Vent	Weight	Nat Gas NVS	LP Gas PVS	
PVG62-40S40- (NVS or PVS)	40	40,000	73	44.7	0.7	2-4	22	59	174	\$ 1,099.62	\$1,186.18	
PVG62-50S40- (NVS or PVS)	50	40,000	90	44.7	0.7	2-4	24	60-1/8	198	\$ 1,146.36	\$1,195.56	
*PVG62-50T60- (NV or PV)	50	60,000		60.8	0.67	3	22	65-5/8	207	n/s	\$1,557.83	
PVG62-75T76T (NVS or PVS)	75	76,000		80.4	n/a	3-4	26	70-5/8	277	\$ 1,779.81	\$1,829.01	

2019 EQUIPMENT CATALOG

ALBANY
 (518) 465-3421 Fax 465-4644

SARATOGA SPRINGS
 (518) 584-4499 Fax 584-2902

SCHENECTADY
 (518) 374-2227 Fax 374-0260

WATER HEATERS

NAVIEN®

Condensing 98%

Tankless Gas Water Heater



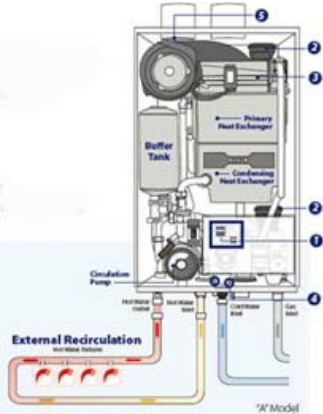
NPE W/H



NCB Combi Heat & HW



NHB Boiler Only



NPE Series Tankless Water Heaters (Hot Water only)

- NPE-S S= Standard model, tankless only, requires .5 GPM flow to product hot water
- NPE-A A= Advanced model includes .5 gallon buffer tank and recirculation pump for internal and or whole house hot water recirculation. Hot water is stored in the buffer tank for instant flow

On all Navien Heaters PVC venting is allowed up to 149 degrees water temp, Polypropylene or CPVC required when operating over 150 degrees

IBC Combi Boilers and Heat Only Boilers In Stock see pages 4 & 5

NAV-BCRA1129 ready link communication cable.....\$19.15

NAV-30014367A Common vent back flow collar includes ready link.....\$47.32



NPE Series Tankless Water Heater (Hot Water Only) (LP Conversion Kit included)												10.11.19		
S - Standard Series Tankless only (No buffer tank, No Pump) requires .5 gpm flow rate to produce hot water														
A - Advanced Series includes .5 gallon buffer tank and recirculation pump for consistent hot water flow														
Model#	NAV- A- Advance S- Standard	Min Input	Max Input	DHW GPM 77° Rise	Typical Application	Max. W/H Temp	Dimension H-D	W	Tapping s Water & Gas	Weight A Series	Weight S Series	DOE EF	Trade S- Standard Series	Trade A- Advanced Series
NPE-150S S only		18,000	120,000	3.2	1-Shower +	182	17.3-27.4-13.2	3/4"	N/A	55	0.97	\$ 944.06	N/A	
NPE-180 A or S		15,000	150,000	3.8	1-Shower +	182	17.3-27.4-13.2	3/4"	75	67	0.97	\$ 1,150.53	\$ 1,371.16	
NPE-210 A or S		19,900	180,000	4.6	2-Shower	182	17.3-27.4-13.2	3/4"	82	75	0.97	\$ 1,276.60	\$ 1,544.53	
NPE-240 A or S		19,900	199,900	5.1	2-Shower +	182	17.3-27.4-13.2	3/4"	82	75	0.97	\$ 1,402.68	\$ 1,717.90	
Webstone Flange Set									WEB4443WPR-LF 3/4" IP		WEB5443WPR-LF 3/4" copper sweat		\$ 128.24	
Venting 2" PVC up to 24', 3" up to 150' (elbows not included) 1/2" gas pipe up to 24'									WEB-8443WPR-LF 3/4" copper press				\$ 125.73	
Warranty: 15-Year Heat Exchanger, 5 year parts														

NCB Combi Boiler and Domestic Hot Water (Heat and Hot Water)									10.11.19	
Heat Temp 77-194°F DHW 86-140°F						LP Conversion Kit Include				
Model #	Input Space Heating	Heating Capacity	IBR Net Output	Input DHW	DHW GPM	Dimens. W-H-D	AFUE Rating	Trade		
NCB-150E	12-60,000	56,000	49,000	12-120,000	2.6	17-28-12	95	\$ 2,324.67		
NCB-180E	14-80,000	74,000	64,000	14-150,000	3.4	17-28-12	95	\$ 2,513.80		
NCB-210E	18-100,000	92,000	80,000	18-180,000	4	17-28-12	95	\$ 2,718.68		
NCB-240E	18-120,000	109,000	95,000	18-199,900	4.5	14-28-12	95	\$ 2,907.80		
WEB4FK5-CH or WEB5FK5-CH			Optional Header and Tankless Valve Kit						\$ 653.00	
High Temperature Polypropylen or CPVC venting required over 149°. 2" venting up to 60'										
Tapping Sizes: Heating 1", DHW-3/4", Gas-3/4", Condensate-1/2", Auto Feed- 1/2"										
Warranty: 10-Year Heat Exchanger 5 Year Parts if warranty is registered										

NHB Hot Water Boilers only (LP conversion kit included)										10.11.19	
Model #	Min Input	Max Input	Heating Output	IBR Net Heating Capacity	Heating Range	Dimension W-H-D	Weight	AFUE	Trade		
NHB-055	8,000	55,000	51,000	44,000	77-194°F	17-24-12	73	95%	\$ 1,899.13		
NHB-080	8,000	80,000	74,000	64,000	77-194°F	17-24-12	73	95%	\$ 2,096.14		
NHB-110	10,000	110,000	102,000	89,000	77-194°F	17-24-13	80	95%	\$ 2,269.50		
NHB-150	10,000	150,000	138,000	120,000	77-194°F	17-24-13	80	95%	\$ 2,466.51		
1" IP Space heating supply and return, gas 3/4", condensate 1/2"											
2" PVC venting up to 60', 2" up to 150' no elbows, High Temp Venting required over 149°F											
Warranty: Residential 15 Year Heat Exchanger 5 Year Parts, Commercial: 10 Year Heat Exchanger 3 year parts											

Water Heaters

Visit us on the web at: www.capitoldistrictsupply.com
or email us at: orders@capitoldistrictsupply.com



New SUPER-FLOW TANKLESS HOT WATER

Better Boilers



IBC SFT Superflow Tankless Features & Benefits

- **Simple** 4 Moving Parts
- **Reliable** 4 moving parts, one piece heat exchangers, easy to service, easy to install
- **Efficient:** UEI 91% 5.2 GPM 70° rise
- **Warranty:** 5 Year on Parts, 10 Year on Heat Exchanger
- **Venting:** PVC Pipe, 2" up to 35', 3" up to 120' (Long Sweep 90 = 5', regular 90 = 8', 45 = 3')
- Max Water Temperature 149°



INDIRECT WATER HEATERS

IBC SFT Tankless Water Heaters

Model #	Min Input	Max Input	Min. Flow GPM	Max Flow GPM	Max. W/H Temp	Dimension W-H-D	Tapping Water	Tappings Gas	Lbs	Trade
SFT199	28,500	199,000	0.5	7	149	17.7-32.5-10.9	3/4" M	1/2" M	68	\$ 1,500.36



IBC Indirect Fired Water Heater Features & Benefits

- Constructed of 444 grade stainless steel, pickled & passivated for the highest possible resistance to corrosion
- High capacity smooth wall stainless steel coil
- Maintenance free design
- Light weight for easy installation
- 2" Polystyrene foam insulation for extremely low standby heat loss
- Standard Aquastat and 10K temperature sensor included
- 10 year non-prorated warranty with limited lifetime option available

Not Included

- T&P Valve
- Drain Valve

IBC-Tecnologies Stainless Steel Indirect Fired Water Heater

Model # IBC-	Gal	Height	Dima.	DHW	Boiler	T&P	1st Hour GPM	Cont. Flow	Boiler BTUH	Water Flow/coil	Coil head loss	Weight	Trade
BTI-40	39.9	47	21.4	3/4"	1"	3/4"	188	156	100,000	8	3	66	\$1,020.62
BTI-55	56.5	62.8	21.4	3/4"	1"	3/4"	200	156	100,000	8	3	91	\$1,218.01
BTI-80-MAX	79.9	70	23.8	1"	1-1/2"	1"	239-453	171-393	109-251K	10-15	3-7	141	\$1,761.65
^ BTI119-MAX	114.6	65.8	28.9	1-1/2"	1-1/2"	1"	545	449	288,000	20	14	178	\$2,661.25

^ Special order plus freight



Features & Benefits

- Heavy Duty Hydrastone cement lining provides long tank life
- Plastic Jacket will not rust, scratch or dent
- No sacrificial anode rod required
- Industry's lowest standby heat loss reduces operating cost
- Advanced electronic controller for accurate and reliable temperature control
- Warranty: 2/10 Limited two year labor, ten year replacement including coil. Commercial 5 year, optional lifetime available



Vaughn Top Performer Plus Indirect Water Heaters

Model #	Gal. Cap.	Height	Diam.	Piping		First Hour		Boiler	Coil	Coil	Coil	Weight	Trade
				Domestic Side	Boiler Side	T&P Valve	GPH						
*VAUS50TPP	50	40	26	3/4 M	3/4 M	3/4 F	320	250	150,000	6	7 ft.	238	\$1,157.65
*VAUS70TPP	70	46.5	28	3/4 M	3/4 M	3/4 F	340	270	150,000	6	7 ft.	290	\$1,515.22

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SARATOGA SPRINGS
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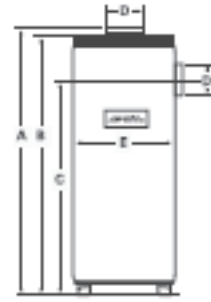
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Oil Fired Chimney Vented Water



Features

- TAPS 3/4" F
- 1 piece vacuum molded ceramic fiber chamber maximizes heat retention
- Combustion chamber and tank specially designed to eliminate "hot spots" and tank burnout
- Completely glass lined with the latest TankSaver™ technology, double glass lined tank seam and double tested for longer life
- CFC free foam R-8.3 (30 & 50 gal. models) Resists shipping damage. Extra layer of rock wool around combustion chamber
- 5 year limited warranty on tank Beckett Oil burners included



WATER HEATERS ULTRA-FIN

John Wood Oil Fired Water Heaters

2.8.19

CDS Model #	Gal Cap.	Firing Rate	Input MBTU	Recovery 1st Hour GPH 90° Rise	Recovery Continuous GPH 90° Rise	Vent	Tank Dia.	Height	Height Center Rear flue	Combustion Efficiency	Energy EF	Weight	Tank Only T	Trade Complete C
Center Flue														8.26.17
GSWJWF307(T/C)	32	0.65	90,000	110	92	6	20	52-3/4		77-80%	0.60	172	\$1,100.19	\$1,574.86
GSWJWF507(T/C)	50	0.75	106,000	125	107	6	22	60-1/2		77-80%	0.55	214	\$1,779.96	\$2,238.95
Rear Flue/Combo														
GSWJW317(T/C)	30	0.75	106,000	120	107	7	24	61	48-7/8	84-85%	0.62	230	\$1,322.69	\$1,812.23

ULTRA-FIN™ Radiant Floor Heating System



Simple & Affordable Radiant Heating System

- Less expensive, easier to install
- Quicker response with high temp 180 D water
- Room by room zoning saves energy, increase comfort
- 1/3 less tubing than other radiant heat systems

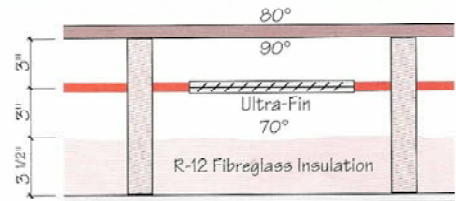


Fig 1: Relative Temperatures

Ultra-Fin Heating Performance Testing			
70_F Room Temperature			
Use 18" on center spacing for our climate			
Water Temp	BTU/SqFt Output	Floor Temp	Joist Bay Temp
3/4 Subfloor w/3/4 Solid Oak Flooring			
100	7	72	84
110	9	73	89
120	11.5	74	93
130	16	74	96
140	20	75	98
Bare Plywood Testing lower w/Hardwood			
150	27.3	81	96
180	41.6	85	105



UF-4010

10" Turn Key Fin (50 PAIRS PER BOX)
Includes Turn Key Hangers
\$2.71 per pair (1.36 per piece 100 pieces in a box)



UF-HANGER-SN-312 Snake Hanger For jobs accessible from below the floor
\$.46 per piece 100 per bag



UF-SIDEKEY Hanger
For jobs only accessible from above the floor. This hanger mounts to the side of the joist before flooring is stalled
\$.46 per pair



UF-MCD2002
Zone Valve Relay Controller
\$114.92

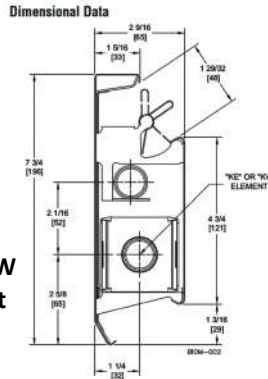
Residential Hot Water Baseboard

Embassy Panel Track KRP-D



580 BTUH/FT @ 180°F 4 GPM

- Low Profile 7-3/4" H x 2-9/16" W
- 3/4" copper/aluminum element
- Adjustable Damper
- Hanger bracket with built in return support

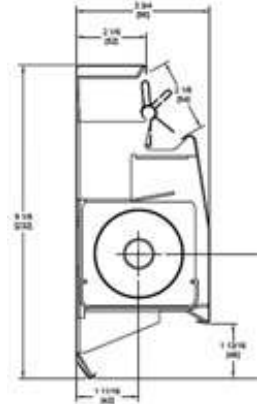


Embassy System 6 Baseboard



740 BTUH/FT @ 180°F 4 GPM

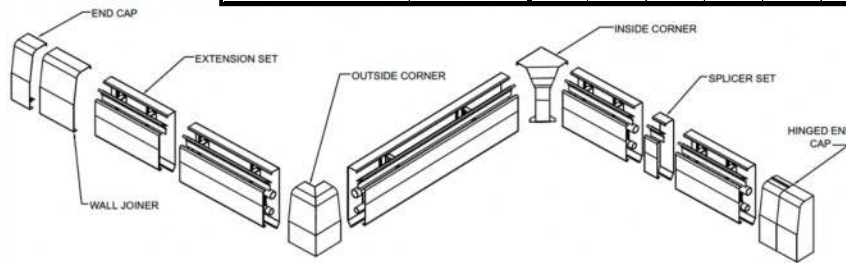
- High Capacity Baseboard
- 9-1/8" H x 3-3/4" W
- 3/4" copper/aluminum element
- 18 Gauge heavy duty front panel
- Adjustable Damper



KRP 7" High		5.24.18
EMB Model #	Length	Trade
Per Foot		\$ 9.27
KRP-D-2	2	\$ 18.55
KRP-D-3	3	\$ 27.82
KRP-D-4	4	\$ 37.09
KRP-D-5	5	\$ 46.36
KRP-D-6	6	\$ 55.63
KRP-D-7	7	\$ 64.90
KRP-D-8	8	\$ 74.18
KRP-D-10	10	\$ 92.72
Blank Cover		
EMBKCA-D-5	5	\$ 33.86
EMBKCA-D-8	8	\$ 54.17

System 6 9" High		10.11.19
EMB Model #	Length	Trade
Per Foot		\$ 15.44
SCP-632-3	3	\$ 46.31
SCP-632-4	4	\$ 61.75
SCP-632-5	5	\$ 77.19
SCP-632-6	6	\$ 92.61
SCP-632-7	7	\$ 107.91
SCP-632-8	8	\$ 123.50
Blank Cover		
EMBSEN-6-5	5'	\$ 47.29

BTU/HR Output Chart		Average Hot Water Temperature °F - BTU/HR./Lin./Ft.									
Model	GPM	120	130	140	150	160	170	180	190	200	210
KRP	4 GPM	205	261	316	356	419	510	570	630	700	760
	1 GPM	195	248	300	338	398	480	540	600	660	720
High Output											
System 6 632A Element	4 GPM	269	342	414	466	549	640	740	820	910	990
	1 GPM	255	323	392	441	519	610	700	780	860	940



Model #	KRP Trim	Trade	Model #	System 6 Trim	Trade
EMBLHEC	EMBASSY LH END CAP	\$ 5.44	EMBSCC-L	EMBASSY 3 LH END CAP SYSTEM 6	\$ 10.42
EMBRHEC	EMBASSY RH END CAP	\$ 5.44	EMBSCC-R	EMBASSY 3 RH END CAP SYSTEM 6	\$ 10.42
EMBKDJ	EMBASSY 2 DAMPER SPLICER	\$ 2.44	EMBSIC-90	EMBASSY 90 INSIDE CORNER SYSTEM 6	\$ 6.62
EMBKIC-90	EMBASSY 90 DEGREE INSIDE CORNER	\$ 5.67	EMBSOC-135	EMBASSY 135 OUTSIDE CORNER SYSTEM 6	\$ 26.57
EMBKWJ-5-L	EMBASSY 5IN TRIM -LH	\$ 5.36	EMBSWJ-5	EMBASSY 5" WALL TRIM SYSTEM 6	\$ 7.19
EMBKWJ-5-R	EMBASSY 5IN TRIM -RH	\$ 5.36			

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BASE BOARD RADIATION

Twin-Flo III by Beacon/Morris Kickspace Heaters

- Fits where standard baseboards do not. They install in the kick space under cabinets, in between floor joists, on Walls, stairs, vanity and tight spaces.
- Supply & return 1/2" copper tubing
- 5 year warranty



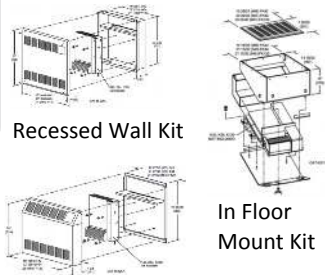
	BEA MODEL #	Water Temp	BTU output	Flow	Friction Loss	Trade Price
Toe Kick Heaters						
	K42	180	4278	1 gpm	.17 ft	\$185.95
	K84	180	8460	1 gpm	.22 ft	\$234.71
	K120	180	11585	1 gpm	.43 ft	\$286.73
Toe Kick Dimensions						
	Sizes	Width	Depth	Dis Hgt	Grill Hgt	
	K42	12-1/4	12-3/4	2"	4"	
	K84	19-1/4	12-3/4	2"	4"	
	K120	23	12-3/4	2"	4"	

Horizontal Hydronic Unit Heaters



- 1-1/4" FIP Tappings
- 115 Volt motors
- For Garages, basements, commercial applications

BEA MODEL #	Steam btu/hr	Hot Water btu/hr 180 D.	Non. CFM	H/W/D	Lbs	Trade Price
HB24	24,000	14,000	450	18"x14-5/8"x6-1/8"	30	\$590.40
HB36	36,000	21,000	550	18"x14-5/8"x6-1/8"	30	\$679.20
HB72	72000	42,000	1,100	21-3/4x18-3/8x11-13/16	44	\$767.20



Recessed Wall Kit

In Floor Mount Kit

Surface Mount Wall Kit

BEA MODEL #	Description	Trade Price
Installation Kits		
Recessed Wall Mount Kit		2.8.19
*W42	Recessed Wall	\$162.22
*W84	Recessed Wall	\$179.15
*W120	Recessed wall Kit	\$197.47
Surface Mount Wall Kit		
*F42	Surface Wall	\$162.22
*F84	Surface Wall	\$179.15
*F120	Surface Wall	\$197.44
In Floor Mount Kit		
*FK42	In-Floor	\$282.12
*FK84	In-Floor	\$282.12
*FK120	In-Floor	\$307.50

Gas Fired Unit-Garage Heater

- Power Vented
- LP Conversion kit included
- Direct Spark Ignition
- Dual Venting single or dual pipe combustion air inlet
- Vertical Venting Class I (B-Vent)
- Horizontal Venting Class I or III see manual for details



Nat Gas Direct Vent Unit Heaters (Garage Heaters) 120 Volt						
Model #	Input	Output	Eff	CFM	Dim HWD	Lbs Trade \$
BRT-045-NAT	45,000	37,350	83%	550	14-30-26	75 \$ 809.34
BRT-075	75,000	62,500	82%	920	17-30-27	95 \$ 885.44
BRT-120	120,000	98,400	82%	1475	24-30-26	120 \$1,130.29

Hydrolevel Controls

- Low Water Cutoff, Hot Water and Steam boiler controls



HYD1100



OEM170



HYD3200, 3150, 3250 AQUASTATS



CG400P

Electro-Well™

To enable HydroStat's® low water cut-off function, Electro-Wells™ are available in four sizes to replace standard immersion wells. Remote mounting kits are also available.



VTX-24 & 120



PA404A1003



Hydrolevel Controls			10.15.19
Item#	Description	Trade	
Hot Water Low Water Cutoff			2.9.19
HYD1100	24V H. Water Low Water Cutoff	\$ 95.25	
OEM170	120V H. Water Low Water Cutoff	\$ 102.38	
Hot Water Gas 24 Volt Boiler Controls			
HYD3200	Fuel Smart Aquastat Realy 24V for gas, High Limi opt Low Limit, LWCO w/EW well	\$ 175.50	
Hot Water Oil 120 Volt Boiler Controls			
HYD3150	Aquastat Realy 120V Oil, High Limi opt Low Limit, LWCO w/EW well	\$ 156.75	
HYD3250	Fuel Smart Aquastat Realy120V Oil, High Limi opt Low Limit, LWCO w/EW well	\$ 158.25	
Electro Well for Low Water Cutoff Function			
HYD-EW221	1/2" Electro-Well adds LWCO feature	\$ 20.46	
HYD-EW201	3/4" Electro-Well adds LWCO feature	\$ 20.46	
Steam Boiler Controls			
CG400P	Steam Low Water Cutoff	\$ 173.25	
VXT-24	24V Water feeder for steam	\$ 240.00	
VXT-120	120V Water Feeder for steam	\$ 240.00	
Honeywell Steam Pressure Control			
HWPA404A1003	Honeywell Steam Pressuretrol 1-5 PSI	\$ 190.36	

Webstone Circulator Flange Sets & Valves in Iron Pipe - Copper Sweat - Copper Press

Hydronic Accessories



Expansion Tank valve set

WEB41672	1/2"	\$ 28.99
----------	------	----------



Circulator Flanges w/Ball valves

Threaded Iron Pipe	Trade	
WEB40403	3/4"	\$ 29.95
WEB40404	1"	\$ 36.14
WEB40405	1-1/4"	\$ 42.97
WEB40406	1-1/2"	\$ 67.53
WEB40407HV	2"	\$ 89.91
Copper Sweat		2.9.29
WEB50403	3/4"	\$ 29.95
WEB50404	1"	\$ 36.14
WEB50405	1-1/4"	\$ 42.97
WEB50406	1-1/2"	\$ 68.51
WEB50407	2"	\$ 89.91
Copper Press		
WEB81403HV	3/4"	\$ 29.27
WEB81404HV	1"	\$ 35.37
WEB81405HV	1-1/4"	\$ 49.52
WEB81406HV	1-1/2"	\$ 65.37



Circulator Flanges Ball & Purge Valves

Threaded Iron Pipe	Trade	
WEB40413	3/4"	\$ 43.82
WEB40414	1"	\$ 53.22
WEB40415	1-1/4"	\$ 74.84
Copper Sweat		
WEB50413	3/4"	\$ 43.82
WEB50414	1"	\$ 59.34
WEB50415	1-1/4"	\$ 75.90
WEB50416	1-1/2"	\$ 102.42
Copper Press		
WEB81413HV	3/4"	\$ 45.77
WEB81414HV	1"	\$ 55.80
WEB81415HV	1-1/4"	\$ 70.25
WEB81416HV	1-1/2"	\$ 96.00



Copper Press Tankless kits in stock

Ball Valve w/Purge	Trade Price	10.15.19
Threaded Iron Pipe		
WEB40613	3/4"	\$ 28.34
WEB40614	1"	\$ 40.64
WEB40615	1-1/4"	\$ 60.36
WEB40616	1-1/2"	\$ 84.55
Copper Sweat		
WEB50613	3/4"	\$ 25.41
WEB50614	1"	\$ 36.42
WEB50615	1-1/4"	\$ 60.36
WEB50616	1-1/2"	\$ 84.55
WEB50617	2"	\$ 125.36
Copper Press		
WEB-H-80613	3/4"	\$ 54.73
WEB-H-80614	1"	\$ 68.66
WEB-H-80615	1-1/4"	\$ 80.37
Purge & Fill Service Valves		
Threaded Iron Pipe		
WEB48613	3/4"	\$ 50.99
WEB48614	1"	\$ 65.11
WEB48615	1-1/4"	\$ 81.26
Copper Sweat		
WEB58613	3/4"	\$ 44.63
WEB58614	1"	\$ 58.37
WEB58615	1-1/4"	\$ 84.55
WEB58616	1-1/2"	\$ 113.09
Copper Press No-Lead		
WEB88614	1"	\$ 83.27
WEB88615	1-1/4"	\$ 153.98
Primary Secondary Loop Tee		
Trade Price		
WEB58644	1"x1" Cop Swt. Primary secondary loop tee	\$ 49.31
WEB88644	1" Cop Press	\$ 141.11
Press Ball Valves No-Lead		
Copper Press No-Lead		
Trade Price		
LEG-P200N-LD	1/2"	\$ 13.52
LEG-P200N-LE	3/4"	\$ 18.62
LEG-P200N-LF	1"	\$ 32.45
LEG-P200N-LG	1-1/4"	\$ 40.16
LEG-P200N-LH	1-1/2"	\$ 76.40
LEG-P200N-LI	2"	\$ 93.88
Tankless Water Heater Valve Sets		
WEB44443WPR-LF	3/4" FIP	\$ 125.24
WEB54443WPR-LF	3/4" cop swt	\$ 127.65
WEB84443WPR-LF	3/4" Copper Press	\$ 125.73
*WEB5444WPR-LF	1" cop swt	\$ 212.93
WEB20713	Relief valve for tankless W/H	\$ 14.83
Navien Combi Boilers Heater Heat & HW		
WEB4FK5-CH	3/4" & 1" IP	\$ 653.00
WEB5FK5-CH	3/4" & 1" cop swt	\$ 653.00



Relays

Argo Circulator & Zone Valve Relays		
Item#	Description	Trade
Argo Circulator Relays Box		
10.15.19		
AR822	Single Relay DPDT	\$ 71.23
ARM-3P	3 Zone w/priority	\$ 217.94
ARM-4P	4 Zone w/priority	\$ 277.30
ARM-6P	6 Zone w/priority	\$ 304.43
*AD-1	Expansion Module	\$ 86.50
Zone Valve Relay Box		Trade
ARAZ-3	3-Zone no priority	\$ 119.57
ARAZ-5	5-Zone no priority	\$ 151.79
ARAZ-6CP	6-Zone Valves w/priority	\$ 262.88
Parts		Trade
AR-R35	24 volt Plug in relay	\$ 18.66
AR-R49	120 volt plug in relay	\$ 20.35
AR-T40	40 VA transformer	\$ 32.22
Hydro Air		
*ARH-2	1-Air Handler 1-DHW Relay	\$ 164.51



Taco Relays

Taco Circulator & Zone Valve Relays		
Item#	Description	Trade
Taco Circulator Relays		
10/15/2019		
SR501-4	Single Relay DPDT	\$ 69.28
SR502	2 Zone w/priority	\$ 165.09
SR503-4	3 Zone w/priority	\$ 175.67
SR504-4	4 Zone w/priority	\$ 215.30
SR506	6 Zone w/priority	\$ 267.96
Taco EXPANBLE Circulator Relays		6.8.18
SR503-EXP	3 Zone w/priority	\$ 183.77
SR504-EXP	4 Zone w/priority	\$ 228.77
SR506-EXP	6 Zone w/priority	\$ 290.87
Taco Zone Valve Relays		Trade
ZVC403	3-Zone no priority	\$ 132.51
ZVC405	5-Zone no priority	\$ 167.05
ZVC406-4	6 Zone w/priority	\$ 209.95
ZVC404-EXP-4	4-Zone w/priority	\$ 164.49
ZVC406-EXP-4	6 zone w/priority	\$ 215.50

2019 EQUIPMENT CATALOG

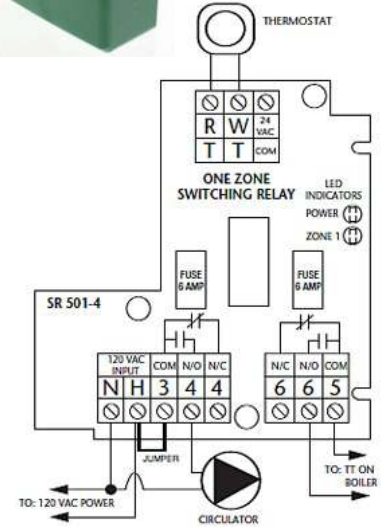
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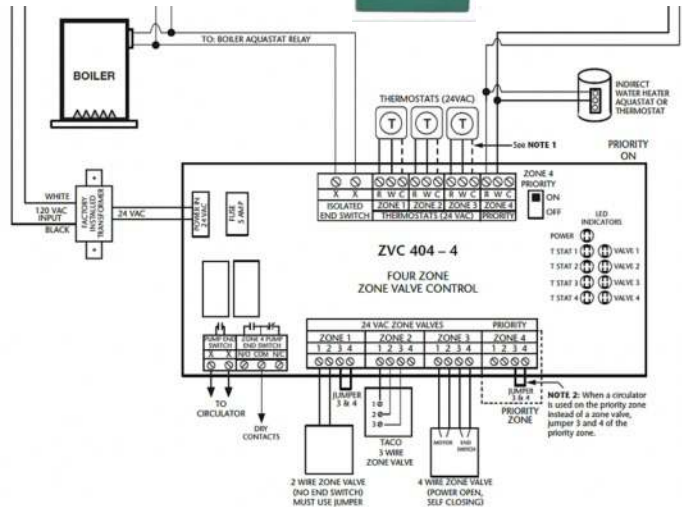
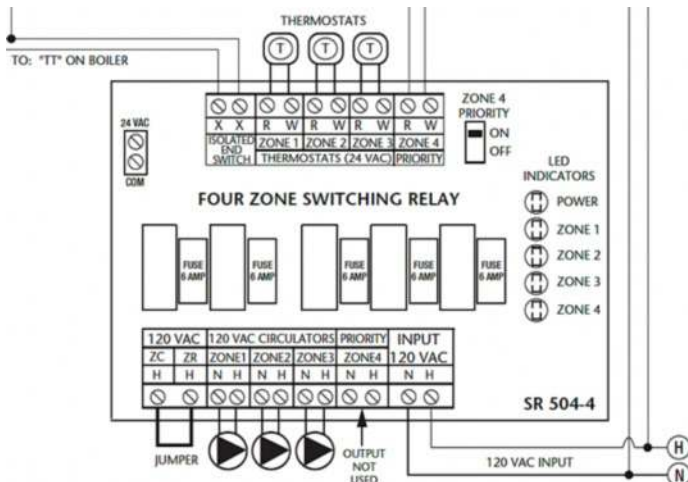
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Taco Electronic Control Overview & Sample Wiring Diagrams

Taco Switching Relays Over View						2.11.19
Circulator Relays Standard: TAC-		Status	Max. Combined Amps	Dimension: W x H x D inch.	Trade	
SR501	1 Circulator	Stock	12	4-7/8 x 6-5/8 x 2-3/8	\$ 69.28	
*SR501-HC	1 Circulator high current switch	Non-stock	20	4-7/8 x 6-5/8 x 2-3/8	\$ 102.50	
SR502	2 Circulator with Priority	Stock	15	10-1/4 x 7 x 2-3/4	\$ 165.09	
SR503	3 Circulator with Priority	Stock	15	10-1/4 x 7 x 2-3/4	\$ 175.68	
SR504	4 Circulator with Priority	Stock	20	10-1/4 x 7 x 2-3/4	\$ 215.30	
SR506	6 Circulator with Priority	Stock	20	12-1/4 x 8 x 2-3/4	\$ 267.96	
Note multiple relay XX end switches can be wired in parallel to combine relays for applications with greater than 6 circulator zones						
Zone Valve Relays: TAC-		Status	Transformer Rating	Dimension: W x H x D inch.	Trade	
ZVC403	3 Zone Valve Control with Priority	Stock	40VA	10-1/4 x 7 x 2-3/4	\$ 132.51	
ZVC404	4 Zone Valve Control with Priority	Non-stock	40VA	10-1/4 x 7 x 2-3/4	\$ 152.20	
ZVC405	5 Zone Valve Control with Priority	Stock	80VA	12-1/4 x 8 x 2-3/4	\$ 167.05	
ZVC406	6 Zone Valve Control with Priority	Non-stock	80VA	12-1/4 x 8 x 2-3/4	\$ 209.95	
Note multiple relay XX end switches can be wired in parallel to combine relays for applications with greater than 6 zone valves						
Expandable Cir. Relays for Add-on Power Controls			Total Amps	Dimension: W x H x D inch.	Trade	
SR501-EXP	1 Circulator	Non-stock	12	4-1/4 x 6-5/8 x 2-3/8	\$ 168.16	
SR503-EXP	3 Circulator with Priority	Non-stock	15	10-1/4 x 7 x 2-3/4	\$ 183.77	
SR504-EXP	4 Circulator with Priority	Non-stock	20	10-1/4 x 7 x 2-3/4	\$ 228.77	
SR506-EXP	6 Circulator with Priority	Non-stock	20	12-1/4 x 8 x 2-3/4	\$ 290.87	
Expandable Z.V. Relays for Add-on Power Controls			Transformer	Trade		
ZVC404-EXP	4 Zone Valve Relay with Priority	Non-stock	80VA	12-1/4 x 8 x 2-3/4	\$ 164.49	
ZVC406-EXP	6 Zone Valve Relay with Priority	Non-stock	80VA	12-1/4 x 8 x 2-3/4	\$ 215.50	
Add-on Power Controls				Trade		
PC700	Boiler reset control	Non-stock		\$ 311.34		
PC702	Two Stage Boiler Reset Control	Non-stock		\$ 382.64		
PC705	Variable speed pump injection mixing control	Non-stock		\$ 413.18		
Hydro Air Fan Controls						
HAFC201	Two speed fan relay	Non-stock		4-1/4 x 5-3/4 x 2-3/4	\$ 138.25	



Non-Stock items normally 2-4 day lead time plus freight approximately \$14.95



Taco Mixing Valves



Taco Mixing Valves				
Item#	Description	CV Rating	Temp. Range	Trade
Copper sweat no temperature gauge		GPM @ 1 PSI Drop	Temperature Range	2.11.19
5003-C-LF	3/4" copper sweat union lead free CV:2.3	2.3	85-150	\$ 108.40
5004-C-LF	1" copper sweat union lead free CV:2.3	2.3	85-150	\$ 127.31
Copper sweat With temperature gauge				
5003-C3-G-LF	3/4" copper sweat union w/gauge lead free	2.3	85-150	\$ 131.26
5004-C3-G-LF	1" copper sweat union w/gauge lead free	2.3	85-150	\$ 160.82
High Flow for Radiant Heat System				
HF5120-LF	1" High Flow mixing valve	4.1	85-176	\$ 291.68

CV Rating = GPM with 1 PSI or 2.31' head of pressure drop across valve

Taco Boiler Feed w/back flow



3492-50 Watts Style



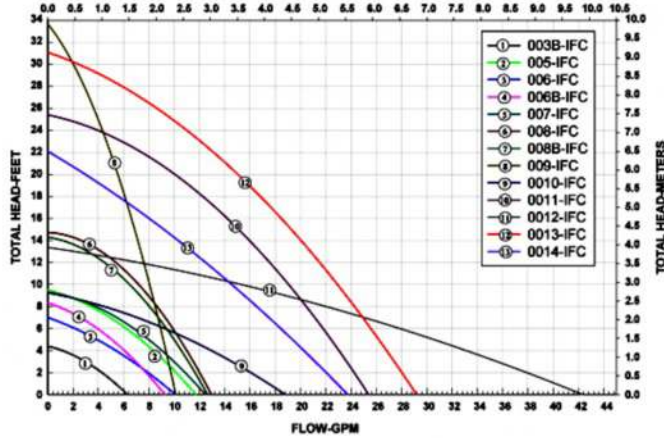
3450 Taco Style

Taco Boiler Feed valve with backflow preventor		Factory	Setting	2.11.19
Item# TAC-	Description	Setting PSI	Range PSI	Trade
3492-050-C1	Watts style boiler feed w/backflow 1/2 sweat	12	10-25	\$ 87.32
3492-050-T	Watts style boiler feed w/backflow 1/2 FIP	12	10-25	\$ 87.32
*3450-1	Boiler feed with backflow 1/2" copper sweat	12	10-50	\$ 105.37
*3450-T1	Boiler feed with backflow 1/2" IP	12	10-50	\$ 107.36

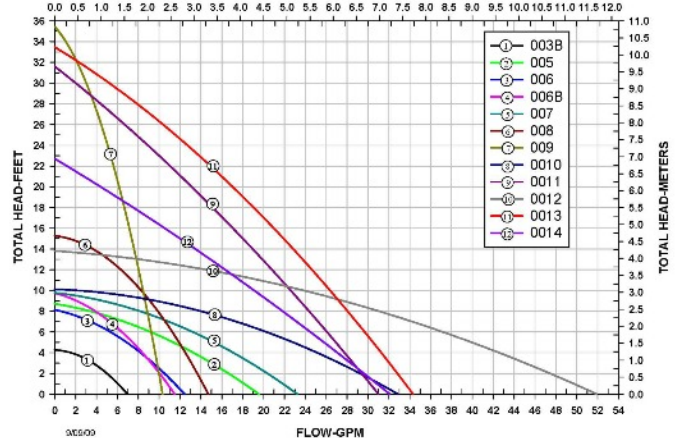
Taco Circulator Sizing Charts

1 GPM = 10,000 BTUH with twenty degree temperature drop see [Page 67](#) for additional information
 IBC Boiler Pressure drops on Page 4 with recommended primary loop circulator
 Heatinghelp.com rule of thumb 6' head per 100' pipe

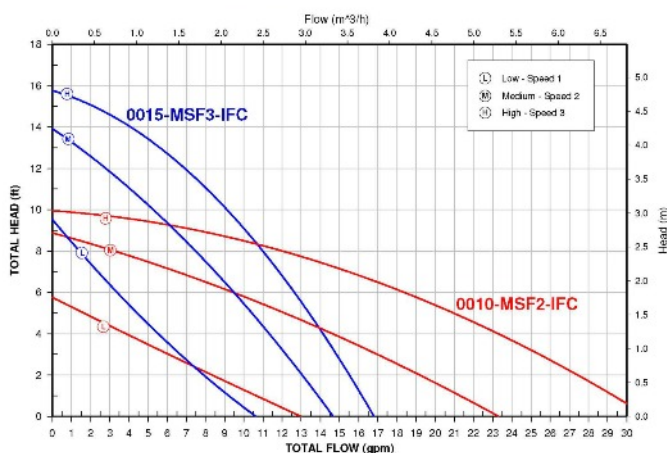
TACO INTEGRAL FLOWCHECK (IFC) MODELS
FLOW-M3/H



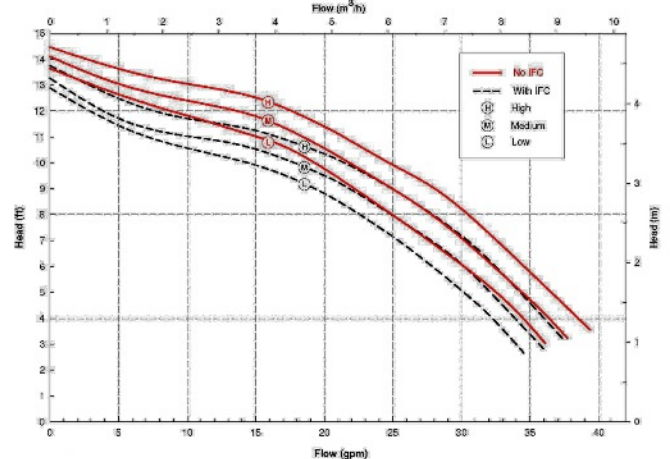
TACO 00 CIRCULATORS
FLOW-M3/H



Taco Multi-Speed Circulators



Taco 0012 Multi-Speed Circulator



Taco Circulators

- 1 GPM = 10,000 BTUH w/20 degree temp drop
- Heatinghelp.com rule of thumb have 6' of head for each 100' of pipe
- IFC = Internal Flow check built into circulator



New: Taco 0012 and 0013 Multi-Speed designed for modern high efficiency boilers

Example: IBC SL199 primary loop circulators needs 18 GPM (180,000 BTUH output) at 8' head (heat exchanger head loss) or Taco 0012-MSF or Grundfos UPS2699



Taco Circulator Pumps PSC Standard Motors							
Model # TAC	Min	Best	Max	Grundfos Equivalent	Amps Max	2.11.19	
Cast Iron - Single Speed - No flow check							
007	4 GPM 9'	13 GPM 6'	17 GPM 4'	UPS15-58	0.71A-85W	Trade \$ 121.10	
008	2 GPM 14'	7 GPM 10'	12 GPM 4'	UPS15-58	0.79-95W	Trade \$ 150.49	
009	2 GPM 32'	6 GPM 20'	9 GPM 6'	UPS26-99FC	1.4A-168W	Trade \$ 317.90	
0010	2 GPM 9'	16 GPM 6'	22 GPM 4'	UPS26-99FC	1.1A 132W	Trade \$ 314.02	
0011-F4	4 GPM 28'	13 GPM 20'	26 GPM 6'	UPS26-99FC	1.76-211W	Trade \$ 338.88	
*111 (In-Line Motor)	5 GPM 11'	20 GPM 8'	50 GPM 3'	UPS43-100F		Trade \$ 350.20	
Cast Iron: Single Speed - IFC with Internal Flow Check							
007-IFC	2 GPM 8'	7 GPM 6'	11 GPM 4'	UPS15-58	0.71	Trade \$ 121.10	
0015-IFC OOR	3 GPM 18'	7 GPM 14'	15 GPM 5'	UPS15-58	0.98	Trade \$ 131.96	
0010-IFC	2 GPM 9'	16 GPM 6'	22 GPM 4'	UPS26-99FC	1.1	Trade \$ 333.36	
0011-IFC	2 GPM 29'	12 GPM 20'	25 GPM 6'	UPS26-99FC	1.76	Trade \$ 378.89	
0012-IFC-1-1/2"	4 GPM 12'	18 GPM 9'	35 GPM 6'	UPS26-99FC	1.33	Trade \$ 549.76	
Cast Iron: 3-Speed IFC with internal flow check							
0015-MSF1-IFC OOR	2 GPM 16'	7 GPM 13'	15 GPM 5'	UPS15-58	0.85	Trade \$ 117.06	
0013-MSF1-IFC	5 GPM 25'	15 GPM 15'	20 GPM 10'	UPS26-99FC	2.14	Trade \$ 378.05	
0012-MSF1-IFC	5 GPM 12'	20 GPM 10'	30 GPM 7'	UPS26-99FC	1.6	Trade \$ 484.05	

00e ECM Series Circulators

Features and Benefits

- Use up to 85% less electricity than standard pumps
- Up to \$15-\$35 savings per circulator per year
- Expected to be code within two years
- **Bio Barrier** protects pumps from system contaminants



- **SureStart** automatically frees locked rotor conditions and self-purges air from pump
- **IFC** Internal flow check included

Taco ECM Motor based Circulators								
Cast Iron: ECM Variable Speed, IFC, Energy Saving Circulator						Watts	Amps	2.11.19
Model # TAC	Min	Best	Max	Description	Range	Max	Trade	
007e-F2-ECM	2 GPM 10'	8 GPM 10'	13 GPM 4'	No Adjustment single speed	44	0.54	\$ 162.29	
0015e3-F2	3 GPM 17'	8 GPM 10'	13 GPM 4'	3 Speed: low-5' medium 10', high-15'	44	0.54	\$ 167.03	
VR1816	3 GPM 17'	8 GPM 10'	13 GPM 4'	3 Mode: Fixed speed, constant pressure proportional pressure	4 - 44	0.54	\$ 204.76	
VT2218	3 GPM 18'	8 GPM 12'	15 GPM 4'	Digital Display, 5 modes, see side specs	9 - 59	0.67	\$ 308.00	

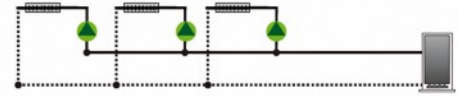


007e

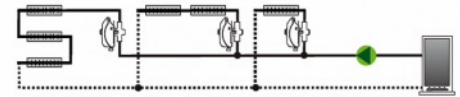
Direct replacement for existing 007 circulator, will reduce power consumption by 50% and save about \$15-20 a year in electricity, no adjustments just indicator light

Typical Applications

For zoning with circulators



Across a series loop system using zone valves

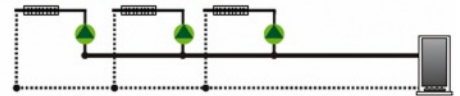


0015e3 3 Speed

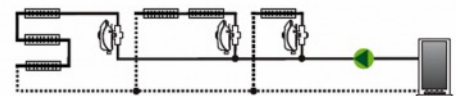
- Direct replacement for existing 00R, 0015, Grundfod UPS1558 circulators
- Reduce power by 50% and save about \$15-20 a year in electricity
- Higher head pressure for PEX, long runs, radiant jobs, mono-flow tees,

Typical Applications

For zoning with circulators



Across a series loop system using zone valves

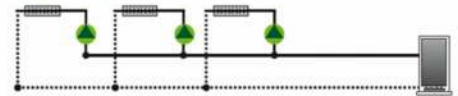


VT1816

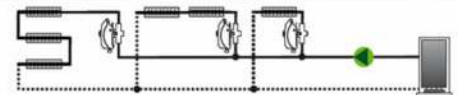
- Direct replacement for existing 00R, 0015, Grundfod UPS1558 circulators
- Can Reduce power up to 50-85% and save about \$15-35 a year in electricity
- Higher head pressure for PEX, long runs, radiant jobs, mono-flow tees,
- Proportional Pressure mode for panel radiators jobs with thermostatic valves

Typical Applications

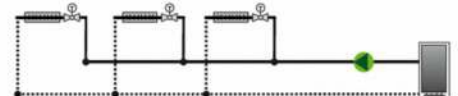
Fixed Speed Mode (Min/Max)
For zoning with circulators



Constant Pressure Mode
Across a series loop system using zone valves



Proportional Pressure Mode
Across multiple panel radiators with thermostatic radiator valves
T= thermostatic radiator valve (TRV)

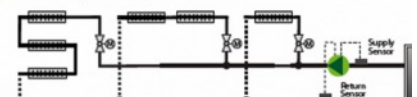


VT2218

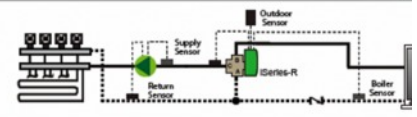
- Direct replacement for existing 00R, 0015, Grundfod UPS1558 circulators
- Reduce power by 85% and save about \$15-35 a year in electricity
- Higher head pressure for PEX, long runs, radiant jobs, mono-flow tees,
- Radiant Manifold with zone valve actuators applications
- LCD indicates: mode, temperatures or speed settings, watts, supply and return temperatures
- Operating Modes: Delta-T, 4 fixed speeds, set point heat or cool, boiler protection

Typical Variable Speed Applications

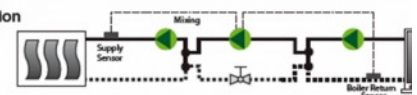
Delta-T
Across a series loop system using zone valves



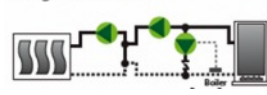
Delta-T
Across multi-zone radiant manifolds with loop actuators



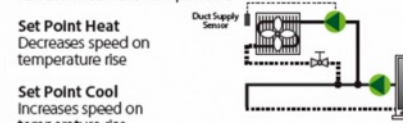
Radiant Injection with boiler protection
Decreases speed to protect boiler from low return water temperature and flue gas condensation



Boiler Protection — by-pass loop
Increases speed to protect boiler from low return water temperature and flue gas condensation

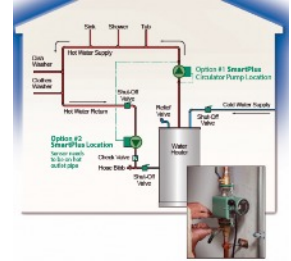
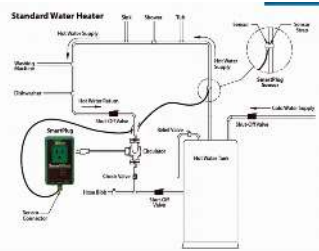


Heating or Chilled Water Cooling
Fan coil fixed water temperature



Taco Domestic Hot Water Recirculation 2.12.19

Stainless Steel Circulators Pump Only (For Domestic Hot Water Recirculation)					Watts	Amps	Trade
*005B	3 GPM 7'	7 GPM 7'	13 GPM 4'	standard flange	61	0.53	\$ 269.68
006ST-E	2 GPM 9'	6 GPM 6'	8.5 GPM 4'	3/4" FIP	60	0.52	\$ 260.51
0015-MSSF2-IFC	2 GPM 16'	7 GPM 13'	15 GPM 5'	standard flange	100	0.85	\$ 441.86
SP115	Smart Plug lets you upgrade any hot water recirculation to smart Operation: automatically						\$ 139.38
Smart Plus Domestic Hot Water Recirculation Circulation Systems						0.5	\$ 241.54
*006-IQ-B4	3/4" Sweat, plug in and system does the rest				60	0.52	\$ 434.07
*008-IQSF6	Flanged, high head pressure for larger house and IBC DC boilers				97	0.84	\$ 474.18
Hot-Link Valve Under sink bypass for retrofit hot water recirculation							
HLV	HotLinkPlus for retrofitting existing homes for DHW recirculation						\$ 62.58
HK	HotLinkPlus house kit for above						\$ 10.59



Smart Plug Features

- Can save 12,000 gallons of water a year or more
- Reduce hot water wait time from minutes to none
- **Smart Mode:** sensor monitors and records home's hot water usage pattern and repeats pattern to cycle the pump
- Optional **Pulse Mode:** circulator runs every 5 minutes out of 10 minutes to maintaining hot water
- Automatic **Vacation Mode:** activates after 36 hours of inactivity and goes on hold until usage is detected
- **Exercise Function:** in vacation mode pump cycles for 10 seconds every 7 days
- No programming, timers or aquastats required, sensor included
- 3 Year Limited warranty

SmartPlus Circulator Features

- Consists of a circulator w/built in smart control, 6' plug cord and temperature sensor
- **Same functions as Smart Plug (See Smart Plug Features on Right)**
- Use 008-IQSF6 with IBC DC boilers

1/2" Supply and Return Lines

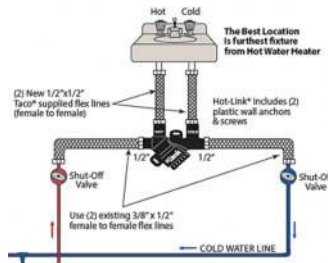
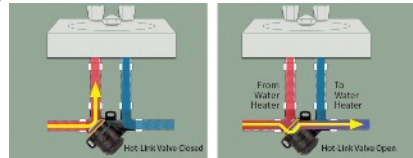
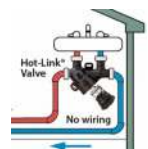
Model Number	Supply Pipe Maximum Length (ft.)	Total Maximum Pipe Length (ft.)
006	100	250
008	250	450
006-IFC*	100	250
008-IFC*	250	450

*With Optional Integral Flow Check

3/4" Supply and Return Lines

Model Number	Supply Pipe Maximum Length (ft.)	Total Maximum Pipe Length (ft.)
006	150	300
008	300	600
006-IFC*	150	300
008-IFC*	300	600

*With Optional Integral Flow Check



Hot-Link Valve

- Exclusive clean in place valve design
- Ideal for home retrofits, no recirculation line necessary
- Save time, water and energy
- Easy to install

LeakBreaker Water Heater Shut-Off Protection



Installation of the control unit, valve and sensor is a snap.

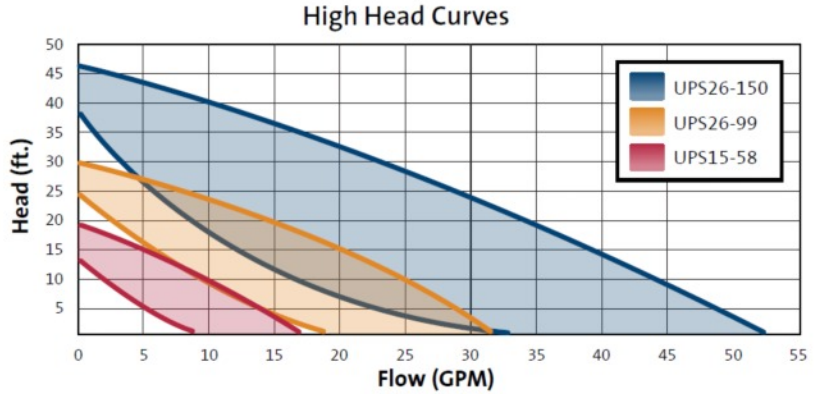


LeakBreaker module operates with power size of 4-66 wattage, Hot-Link-Kit.

LeakBreaker leak protection device

- TAC-LB-075-H-1LF\$192.23**
- TAC-LBW-075-H-1LF WiFi Version\$298.64**

- Includes: 3/4" FIP solenoid shutoff valve, Control Module, Power Cord, and water sensor
- A leak detection and water shutoff device. Designed to detect a water leak and shutoff the incoming water supply to water heaters.
- Suitable for many other water leak protection applications
- 3 Year Warranty



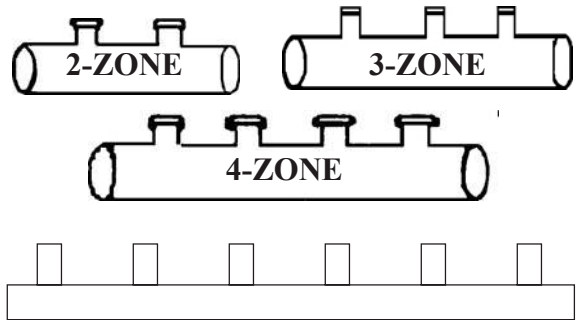
Grundfos Circulators

Grundfos Circulators							
Model # GRUND-	Min	Best	Max	Taco Equivalent	Amps	2.11.19	
Cast Iron 3-Speed flanged circulator pumps with internal flow check							Trade
UPS15-58FC	1 GPM 18'	10 GPM 10'	15 GPM 4'	00-5,7,8,15, R	0.75 -	\$	133.61
UPS26-99FC	3 GPM 28'	15 GPM 20'	30 GPM 3'	00-11,14,13	1.8	\$	428.45
UPS43-100F	5 GPM 30'	30 GPM 24'	60 GPM 3'	2400	3.5	\$	409.00
UPS26-150F	5 GPM 43'	20 GPM 33'	50 GPM 5	00-11,13, 2400	3.5	\$	632.95
Stainless Steel 3-Speed Flange circulator pumps with internal flow check							Trade
UPS15-55SFC	<u>1 GPM 117</u>	10 GPM 10'	<u>17 GPM 4'</u>	00-5,7,8,R	0.75	\$	477.38
UPS26-99SFC	3 GPM 28'	15 GPM 20'	30 GPM 3'	00-11,14,13	1.8	\$	693.17
Alpha Cast Iron Energy Efficient Circulator, can reduce power consumption by 50% or more 5 to 45 Watts							Trade
*ALPHA 15-55FC	<u>1 GPM 18'</u>	<u>10 GPM 9'</u>	<u>18 GPM 4'</u>	00-5,7,8,R	0.65	\$	224.57

HYDRONIC HEATING HEADERS

- Black Iron 1-1/4" Male Threads 3/4" Circulator Taps

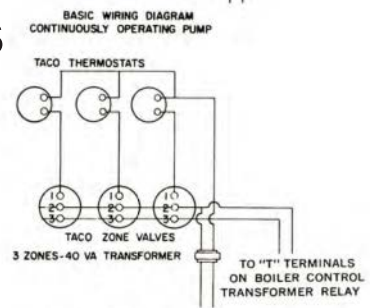
Premade Circulator or Zone Valve Headers						2.12.19
Model # HDR	Size	Outlets	Tappings	On Center	Price	
Black Threaded Headers all Male IP Threads						
HDR6700	1-1/4 x 12"	2	3/4" M	6"	\$ 18.36	
HDR6701	1-1/4" x 18"	3	3/4" M	6"	\$ 27.28	
HDR6702	1-1/4 "x 24"	4	3/4" M	6"	\$ 37.99	
L Copper Sweat Pre-made circulator/zone valve headers						
Call for pricing special order						





Taco 570 Series Zone Valves

Taco Gold Zone Valves		Trade
TAC571	3/4" Gold 2 wire zone valve	\$132.73
TAC572	1" Gold 2 wire zone valve	\$151.33
TAC573	1-1/4" Gold 2 wire zone valve	\$176.79
TAC555-050RP	Power Head f/Gold valves	\$101.13
Note must set heat anticipator to .9 amps		



Taco Sentry Zone Valves



Taco Sentry Zone Valves		Trade
TAC-Z050C2-2	1/2" copper sweat zone valve	\$114.61
TAC-Z075C-2-1	3/4" copper sweat zone valve	\$120.56
TACZO75P2-A	3/4" Copper Press Zone Valve	\$134.29
TAC-Z100C2-1	1" Copper Sweat zone valve	\$138.56
TAC-Z100P2-1	1" Copper Press zone valve	\$163.93
TAC-ZA024Q4A	Sentry & ESP/EB replacment power head	\$104.47



Older style head replaced with Sentry Head



Sentry Replacment head for EB ESB

- **Thermostatic Mixing Valves for heat and domestic hot water lead free**
- **Differential bypass**



Taco Mixing Valves Union Sweat		Trade
TAC5003-C-LF	3/4" 3 way thermostat mix valve	\$108.40
TAC5004-C-LF	1" 3 way thermostat mix valve	\$127.31
Taco Mixing Valves Union Sweat w/ Temperature Gauge		Trade
TAC5003-C3-G-LF	3/4" 3 way thermostat mix valve	\$131.26
TAC5004-C3-G-LF	1" 3 way thermostat mix valve	\$160.82
Differential Bypass Valve		
TAC3196	3/4" differantial bypass	\$85.82

Taco Near Boiler Trim Kits

- Complete Kit 1" & 1-1/4 In-stock
- Includes:
 - 4.5 gallon expansion tank,
 - Cast Iron air scoop with brass air vent,
 - Combi fill valve and back flow preventer
 - Brass fittings and connections



Taco Boiler Trim Kit		Trade
TACTTK-100T-SER	1" Select Boiler Trip kit	\$193.06
TACTTK-125T-SER	1-1/4" Select Boiler Trip kit	\$193.06

Honeywell Zone Valve Replacement Head



HW40003916-026\$78.10

Honeywell zone valve power head for V8043E Zone Valves

CALEFFI
Hydronic Solutions



Caleffi Air Separators (high air separation efficiency, miro bubbles)			2.12.19
Female Iron Pipe Air Separators			
CAL-551005A	3/4 FIP AIR SEPARATOR		\$ 117.12
CAL-551006A	1 FIP AIR SEPARATOR		\$ 126.28
CAL-551007A	1-1/4 FIP AIR SEPARATOR		\$ 176.51
CAL-551008A	1-1/2 FIP AIR SEPARATOR		\$ 229.59
Copper Sweat Air Separators			
CAL-551022A	3/4" Sweat Discal Compact		\$ 80.00
CAL-551028A	1 CXC AIR SEPARATOR		\$ 120.53
CAL-551035A	1-1/4 CXC AIR SEPARATOR		\$ 167.87
Press Copper Air Separators			
CAL-551066A	1" COP PRESS AIR SEPARATOR		\$ 152.89
CAL-551067A	1-1/4" COP PRESS AIR SEPARATOR		\$ 235.01
Caleffi Dirtmag			7.26.17
CAL-NA545396	1" DIRTMAG Copper Sweat Vertical or Horizontal		\$ 124.60
CAL-546335A	1-1/4" DIRTMAG Copper Sweat Horizontal		\$ 236.13
Caleffi Auto Fill Valve			7.26.17
CAL-573002A	AUTO FILL VALVE		\$ 129.23
Air Vents			
CAL-5020-15A	1/8 FLOAT TYPE AIR VENT		\$ 12.14
CAL502710A	1/8 FLOAT TYPE AIR VENT w/Service Check		\$ 14.11
VENTMAN1	1/8 manual air vent key type		\$ 1.44
*VENTMAN2	1/8" manual air vent coin type		\$ 1.10
VENTMAN3	1/8" manual air vent combit coil/key		\$ 1.27
Steam Air Vents			
VENTMAIN	3/4" x 1/2" MAIN STEAM VENT		\$ 6.08

Hydronic Accessories



HTX & SXHT Series
Hydronic Expansion Tanks

Boiler Output 1000's BTUH	Finned Tube Baseboard (Copper)	Type of Radiation			
		Convectors & Unit Htrs	Cast Iron		
			Radiators	Baseboard	
25	HTX 15	HTX 15	HTX 15	HTX 15	
50	HTX 15	HTX 30	HTX 30	HTX 30	
75	HTX 30	HTX 30	HTX 60	HTX 60	
100	HTX 30	HTX 30	HTX 60	HTX 60	
125	HTX 30	HTX 60	HTX 60	HTX 60	
150	HTX 30	HTX 60	HTX 90	HTX 90	
175	HTX 60	HTX 60	HTX 90	HTX 90	
200	HTX 60	HTX 60	HTX 90	HTX 90	
250	SXHT 30	SXHT 30	SXHT 40	SXHT 30	
300	SXHT 30	SXHT 40	SXHT 40	SXHT 30	
350	SXHT 30	SXHT 40	SXHT 60	SXHT 40	
400	SXHT 30	SXHT 60	SXHT 90	SXHT 40	
500	SXHT 40	SXHT 60	SXHT 90	SXHT 40	
600	SXHT 40	SXHT 90	SXHT 90	SXHT 60	
700	SXHT 60	SXHT 90	SXHT 90	SXHT 60	
800	SXHT 60	SXHT 110	SXHT 110	SXHT 90	
900	SXHT 60	SXHT 110	SXHT 110	SXHT 90	
1000	SXHT 90	SXHT 110	SXHT 110	SXHT 90	

Sizing recommendations based on average size systems.
Fill pressure 12 PSI. Relief valve 30 PSI.
Average system water temperature 200°F.

Model Number	Capacity Gallons	Max. Acceptance	System Connection	Dia.	Htg.	Trade
Combination Air Scoop, vent and Expansion Tanks						
HTX3000F	4.5	2.5	1" FIP			\$ 106.06
HTX3000G	4.5	2.5	1-1/4" FIP			\$ 106.06
Standard Heating Expansion Tanks (Boilers not water heaters)						
HTX15	2.1	1	1/2" MIP	8	12.5	\$ 33.15
HTX30	4.5	2.5	1/2" MIP	11	14	\$ 41.66
HTX60	6	3	1/2" MIP	11.4	17.2	\$ 56.98
HTX90	15	6	3/4" MIP	16	20.8	\$ 131.38
Factory pre-charge 12 PSI, max pressure 100 PSI max temp 240						
Floor Mount Heating Expansion Tanks (Boilers not water heaters)						
SXHT40	20	8	1" FIP	16	28.8	\$ 201.48
SXHT60	33	13.3	1" FIP	16	42.8	\$ 283.18
Flexcon Air Scoops and Vents for closed loop heating systems						
VR431F	1" cast iron air scoop					\$ 40.18
VR432F	1-1/4" cast iron air scoop					\$ 39.97
PH Series Hot Water Heater Expansion Tanks						
PH5	2.1		3/4" MIP	9	11.6	\$ 40.60
PH12	4.8		3/4" MIP	11	14.5	\$ 51.95
*PH25	9		3/4" MIP	12.5	18.9	\$ 193.70

Water Heater Expansion Tank Sizing Chart

QUICK SIZING CHART

Water Heater Size/Volume	Maximum Water Temperature			
	130° F	140° F	160° F	180° F
30 GALLONS	PH 5	PH 5	PH 5	PH 5
40 GALLONS	PH 5	PH 5	PH 5	PH 5
50 GALLONS	PH 5	PH 5	PH 5	PH 12
60 GALLONS	PH 5	PH 5	PH 5	PH 12
80 GALLONS	PH 5	PH 12	PH 12	PH 12
100 GALLONS	PH 12	PH 12	PH 12	PH 25
120 GALLONS	PH 12	PH 12	PH 12	PH 25
150 GALLONS	PH 12	PH 12	PH 25	PH 25
175 GALLONS	PH 12	PH 25	PH 25	PH 25



**Taco Boiler Feed Valves on
Page 29 Dial and Watts Style
in stock**



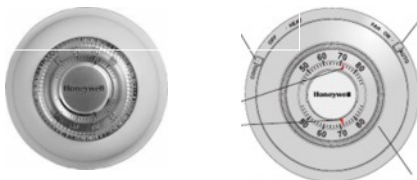
Hydronic Accessories



Model #	Description	Trade \$
T&P Water Heater Relief Valves 150 PSI 210 D.		
WAT100XL-4	WATTS 3/4" PRESS. + TEMP RELIEF 100K btu/hr	\$ 17.49
WATSL100XL-3	WATTS 3/4 LONG SHANK T&P RELIEF VALVE AWH# 100108455	\$ 19.13
WAT100XL-8	WATTS 3/4 T&P W/ 8" PROBE 100K btu/hr	\$ 24.86
WEB20713	WEBSTONE TANKLESS RELIEF VALVE 200K 150 PSE	\$ 14.83
CAS-FVMX-5C-LF	CASH ACME 3/4" MAILE T&P VALVE 5" PROBE 500k	\$ 90.98
CAS-FVMX-8C-LF	CASH ACME 3/4" MAILE T&P VALVE 8" PROBE 500k	\$ 144.85
*WAT40XL-8	WATTS 3/4" MALE T+P VALVE W/8" 200K btu/hr	\$ 190.25
Boiler Relief Valves		
CAS-F30-F-030	CASH ACME 3/4" FIP 30 PSI BOILER RELIEF VALVE	\$ 13.67
CAS-F30-M-030	CASH ACME 3/4" MIP 30 PSI BOILER RELIEF VALVE	\$ 12.37
CAS-F82-F-050	CASH ACME 3/4" FIP 50 PSI BOILER RELIEF VALVE	\$ 47.85
CAS-F82-F-075	CASH ACME 3/4" FIP 75 PSI BOILER RELIEF VALVE	\$ 52.70
CAS-F82-F-100	CASH ACME 3/4" FIP 100 PSI BOILER RELIEF VALVE	\$ 47.85
WATF335M2-030	WATTS 3/4 30# RELIEF VALVE - FEMALE 500K btu/hr	\$ 22.77
WATM335M2-030	WATTS 3/4" 30# RELIEF VALVE MALE 500k BTU/HR	\$ 22.77
*WAT174A100I	WATTS 2" 30# PRES REL VALVE 650K btu/hr	CALL
Boiler Flow Check Valves		
WAT2000SE	WATTS 3/4" BRONZE SWEAT FLOW CHECK	\$ 64.23
WAT2000SF	WATTS 1" BRONZE SWEAT FLOW CHECK	\$ 82.20
WAT2000E	WATTS 3/4" IP FLOW CHECK VALVE	\$ 64.86
WAT2000F	WATTS 1" IP FLOW CHECK VALVE	\$ 64.89
WAT2000G	WATTS 1 1/4" IP FLOW CHECK VALVE	\$ 93.50
Boiler Water Fedded and back flow		
WAT911S	WATTS COMBINATION BOILER FEED BACKFLOW PREV.	\$ 161.65
WAT911T	WATTS COMBINATION BOILER FEED BACKFLOW PREV.	\$ 153.19
WATS1156F	WATTS BOILER FEEDER SWT UNION INLET	\$ 77.57
WATT1156F	WATTS BOILER FEEDER THREADED UNION	\$ 79.12
WATS1450F	WATTS 1/2" DUAL CONTROL W/SWT UNION	\$ 189.69
WATT1450F	WATTS 1/2" DUAL CONTROL W/IP UNION	\$ 189.69
WAT-BD1156-F-E	WATTS DIAL SET FEED WATER PRESSURE REGULATOR	\$ 116.34
WAT9D-M3D	WATTS 1/2 BACKFLOW PREVENTER CNT	\$ 69.95
WAT9DM2E	WATTS 3/4 BACKFLOW PREVENTER CNT	\$ 69.95
Hot Water Tempering Valves, not recommended for radiant heat		
WAT70AD-LF	WATTS 1/2" SWT TEMPERING VALVE	\$ 115.42
WAT70AE-LF	WATTS 3/4" SWT TEMPERING VALVE	\$ 132.07
Misc. Boiler Controls and Valves		
*WATP3-LF	WATTS 1/2 MULTI ORFICE FLO CONTROL	\$ 55.04
Washing Machine Shut Off Valves		
WAT2-M2	WATTS 1/2" SWEAT INLET WASH MACH SURF. MOUNT	\$ 73.36
WAT2T-M2	WATTS WASH MACH VALVE 1/2 CU or IP Concealed	\$ 73.36
Back Flow Preventers & Pressure Reducing Valves		
WAT-7R2U2-2E-LF	3/4" DUAL BACK FLOW PREVENTOR	\$ 59.50
WAT-LFN55E-LF	WATTS 3/4 LINE PRESSURE REDUCER LEAD FREE	\$ 92.39
WAT-LF25AUBE	WATTS 3/4 LINE PRESS RED/BY-PASS/CHK	\$ 124.94
Misc Plumbing Valves		
WAT276H300	WATTS WATER PRESSURE TEST GAUGE	\$ 29.85
WAT150A-LF	WATTS 1/2 WATER SHOCK ARRESTOR	\$ 64.39
Dielectric Union Legend Valve		
LEG-301-103NL-LF	1/2" CU X FIP DIELECTIC UNION LEAD FREE	\$ 4.78
LEG-301-105NL-LF	1" CU X FIP DIELECTIC UNION LEAD FREE	\$ 7.21
LEG-301-106NL-LF	1-1/4" CU X FIP DIELECTIC UNION LEAD FREE	\$ 11.36
.LEG-301-107NL-LF	1-1/2" CU X FIP DIELECTIC UNION LEAD FREE	\$ 18.18



Lux Thermostats			10.27.19
Item #	Model #	Description	
Mechanical			
1	LUXPSM30SA	Heat only Thermostat	\$ 16.94
Digital Non-Setback			
2	LUXPSD111+	Large Screen, Horizontal or Vertical, battery or system powered	\$ 37.98
3	LUXPSD011B	Heat/Cool w/fan switch	\$ 31.39
3	LUXPSD010B	Heat Only on/off for Radiant	\$ 30.23
Digital Programmable Single Stage Heat/Cool/Fan			
4	LUXPSP511LC	Back Light 5/2 Day	\$ 42.63
5	LUXP621U	5/1/1 Day Program or Non-Programmable Conv or HP larger screen	\$ 45.73
Two Stage Programmable			
6	LUXPSP722E	2 stage H&C	\$ 58.13
Wi-Fi Communicates with Apple, Google Home & Alexa			
7	LUX-KONO	WiFi 2H 1C 7 Day, Home and Away GeoFencing, Intermittent Fan Control for IAQ, includes bridge wiring so C wire is not required	\$ 156.55
Line Voltage			
8	LUXLV2-1042	Line Voltage Thermostat	\$ 25.75



T87 Power Stealing

Thermostat Wi-Fi internet accessible



Wireless Thermostat and Receiver



HWS483B1002 Winter Watchman
Honeywell winter watchman thermostat 30-60° temperature range
plugs into 120 volt outlet and controls 120 output to warm of low heat condition in a building.



Item #	Model #	Description	Trade Price
Mechanical Thermostat 24 Volt			10.22.19
	HWT87K1007	Heat only	\$ 43.02
	HWT87N1000	Heat & AC	\$ 62.96
Wi-Fi Internet Accessable			
	*HWTH6320WF1005	3H-2C HP/	172.72
Wireless			
	*HWTH6320R1004	T-Stat 3H 2C	\$ 196.69
	*HWTHM5320R1000	Receiver	\$ 165.83
Arzel Wireless Thermostat			
	ARZ-KIT-WSAT	5-2/7 T-STAT	\$ 279.23
Winter Watchman: 120 Volt Low Temp Warning			
	*HWS483B1002		\$ 42.02

Arzel Wireless
Thermostat 5-2/7 Day
ARZ-KIT-WSAT \$279.23



Thermostat Wire



WIRE18-	Per. Ft.	Roll Length	Roll Price
18-2	\$ 0.13	500'	\$ 47.30
18-3	\$ 0.18	500'	\$ 67.65
18-4	\$ 0.25	250'	\$ 46.35
18-5	\$ 0.31	250'	\$ 56.77
18-6	\$ 0.36	250'	\$ 67.22
18-8	\$ 0.48	250'	\$ 76.93

> **Aquastats**



Aquastats						Motor Ratings		10.23.19
Model	Type	Range	Differential	Switch Action	\$	4.00	240VAC	Trade Price
Standard Immersion Aquastats								
WR11D18-1	Immersion	100-240°F	5-45°F	Open on Rise	10A		6A	\$ 115.04
HWL6006A1145	Immersion	100-240°F	5-30°F	SPDT	8A		5.1A	\$ 151.98
Manual reset immersion aquastats								
HWL4006E1067	Immersion	130-270°F	Man. Reset	Open on Rise	8A		1.3A	\$ 210.91
Strap-on aquastats								
WR1127-2	Strap On	100-240°F	Fixed 10°F	SPDT	7.4A		3.7A	\$ 124.94
Ranco Digital Aquastat Control W/8' sensor lead expandable up to 400'								
ETC-11100-000	120/208/240V	-30-220 F	1-30 F	SPDT	16 A			\$ 81.99
ETC-11200-0000	24 VOLT	-30-220 F	1-30 F	SPDT			8A	\$ 103.39

> **Aquastats Relays**



Boiler Aquastats Relays								10.23.19
Model	Burner Voltage	Mounting	High Limit Range	Low Limit	w/built in oil primary	Low Water Cutoff	Trade Price	
High Limit Only								
L8148J1009	24V or MV Gas	Hor/Vert	140-240	N/A	N/A	N/A	\$ 286.19	
L8148E1265	24 V Gas	Vert	140-240	N/A	N/A	N/A	\$ 311.34	
L8148A1017	120 V Oil	Hor/Vert	140-240	N/A	N/A	N/A	\$ 232.54	
Triple Aquastats w/low limit for internal tankless water heater								
L8124A1007	120 V	Vertical	120-240	110-220	N/A	N/A	\$ 309.44	
Hydrolevel Universal Replacment Aquastat Boiler Controls w/optional Low Water Cutoff								
Model	Burner Voltage	Mounting	High Limit Range	Low Limit	Boiler Reset fuel saving	Low Water Cutoff	Trade Price	
Gas HYD3200	24 V Gas	Vertical	100-220	off / 110-200	Yes	w/EW well	\$ 175.50	
Oil HYD3150	120 V Oil	Vertical	100-220	off / 110-200	N/A	w/EW well	\$ 156.75	
Oil HYD3250	120 V Oil	Vertical	100-220	off / 110-200	Yes	w/EW well	\$ 158.25	
Electro Wells, add low water cutoff function to HydroStats								
HYD-EW221	1/2" Electro Well adds low water cutoff features to control						\$ 20.46	
HYD-EW201	3/4" Electro Well adds low water cutoff features to control						\$ 20.46	



Electro-Well™
To enable HydroStat's low water cut-off function, Electro-Wells™ are available in four sizes to replace standard immersion wells. Remote mounting kits are also available.

> **Fan Controls**

Model #	Description	Trade
WR5D51-35	5" fan limit switch	\$ 114.46
WR5D51-90	8" fan limit switch	\$ 116.70
WR5D51-78	11" fan limit switch	\$ 116.69
WR3F05-1	adjustable snap disc fan control	\$ 15.36
HWST9120U1001	Honeywell universal electronic fan control	\$ 158.96



> **Rib Relays**



Model #	Description	Trade
RIBU1C	Relay 24V/120V Coil 1-SP/DT 10A Relay	\$ 23.81
RIB2401D	Relay 24V/120V Coil 2-SP/DT OR DP/DT 10A Relay	\$ 40.55

Transformers & Fan Centers
120 & 240 Volt to 24 volt
40 & 75 VA
Honeywell & DiversiTech



Model#	Input Voltage - WATTS	Trade Price
Transformers		
10.24.19		
HWAT72D1683	120 - 40VA	\$ 32.82
HWAT72D1691	208-240V 40VA	\$ 38.20
DIVT1401	120 OEM Style 40 VA	\$ 13.71
DIVT6753	120V - 75VA	\$ 35.04
Fan Centers		
HWR8239a105	SPDT Fan Center 3/4 HP	\$ 59.46
DIVD-90113	SPDT Fan Center 3/4 HP	\$ 33.00



Aquastat Immersion Wells



Model # WR	Size Description	Trade Price
F89-0211	1/2" standard	\$ 29.65
*F89-0212	1/2" long	\$ 32.79
F89-0213	3/4" standard	\$ 31.04
F89-0214	3/4" long	\$ 36.01
F89-0215	3/4" ext. long	\$ 39.49

Gas Valves



DiversiTech On Line Igniter Cross Reference Chart Link below
<http://media.diversitech.com/doc/DOC00000.pdf>



Millivolt generator

**Smith GB100 Heavy Duty Thermocouple
SMP51006**

WR Thermocouple

Gas Valves			10.27.19
Model #	Description	Trade Price	
750 Millivolt Standing Pilot Gas Valves (for old boiler w/Millivolt Generators)			
HWVS820A1047	3/4"x1/2" gas valve Millivolt 235,000 btu max.	\$ 490.42	
HWVS820A1054	3/4"x3/4" millivolt gas valves 335,000 btu max	\$ 490.42	
24 Volt Standing Pilot Gas Valves			
WR36C03-300	24 volt 3/4" x 1/2" Gas Valve 230,000 btu max.	\$ 109.12	
HWVR8300A3500	24 volt 3/4" x 1/2" Gas Valve 300,000 btu max.	\$ 140.48	
HWV800A1088	3/4" x 3/4" 24V Gas Valve 334,000 btu max	\$ 305.86	
*HW391937	LP kit for V800A gas valve	\$ 8.89	
24 Volt Universal Gas Valves Spark, Hot Surface, Intermittent			
HWVR8345M4302	24 Volt universal replacement, direct spark, hot surface, intermittent pilot	\$ 150.46	
WR-36H32-423	24 Volt HIS-DSI Universal Gas Valve single/two stage	\$ 135.30	
Misc. Gas Valve Parts			
HW390427E	3/4 x 1/2 bushing for gas valves	\$ 11.16	
Ignition Modules			
Model #	Description	Trade Price	
Universal Ignition and Furnace Board Control Modules			
HWS8610U3009	Intermittent Spark Ignition universal replacement module	\$ 160.25	
HWS8910U01000	Universal Hot Surface Ignition Module	\$ 180.77	
HWST91201011	Universal Gas Fired Furnace control board	\$ 163.73	
WR50A55-843	Universal Silicon Carbide Gas Furnace Integrated ignitor, inducer fan, and blower control	\$ 130.74	
Hot Surface Ignition Modules for Stock Furnaces			
*DUO27492	WR50A50-245 Intergrated Control Module HDST Furnaces	\$ 172.00	
White Rodgers Cycle Pilot Relite Controls			
WR5059-134	Cycle pilot control module spade connectors	\$ 114.69	
*WR50A22-21	Cycle pilot w/ 6 m. spade, relight	\$ 136.23	
*WR50A22-4	Cycle pilot 5 wire spade CX for LP gas	\$ 128.49	
White Rodge Cycle Pilot Flame Sensors			
WR3098-134	3 prong 48" cap tube	\$ 236.53	
Pilot Assemblies and Igniters			
Model #	Description	Trade Price	
Standing Pilot Burner Assemblies			
HWQ314A4586	Honeywell standing pilot burner Center	\$ 40.53	
HWQ314A6094	Honeywell standing pilot burner Left offset	\$ 40.53	
HWQ314A6102	Honeywell standing pilot burner Right offset	\$ 40.73	
Spark Pilot Assembly			
HWQ345A1305	Honeywell Spark pilot burner	\$ 43.21	
Hot Surface Igniters & Flame Sensor			
Universal Hot Surface Igniters			
*HWQ3200U1424	Honeywell round Universal Glowfly Silicone Nitrate hot surface ignitor	\$ 27.94	
DIVIGN-2	Diversitech universal fit rectangular Silicon Nitride hot surface ignitor	\$ 44.66	
DIVIGN-001	Diversitech universal fit Silicon Carbide Igniter	\$ 29.36	
American Water Heater Power Vent Water Heaters			
AWH6910916	PVG62 Hot surface igniter	\$ 99.00	
Goodman			
GOOP-0230K00001	Fits all Goodman Ignitor includes harness & bracket	\$ 59.19	
GOOP-0130F0008	Ignitor for GMH95 & GMH8 furnaces	\$ 59.02	
*GOOP-B1401012	Ignitor for PGB packaged/rooftop gas heat-ac	\$ 12.31	
GOOP-B11726-06	Goodman Flame Sensor GMP/GMPN/GUS/GMS8	\$ 7.01	
GOOP-0130F00010	Goodman Flame Sensor GDT/GMT/GMTH/GMNT	\$ 8.01	
Smith Boilers			
SMIP50072	Smith GV100 Ignitor Norton # 274H	\$ 31.00	
SMIP51295	Smith CVX Ignitor/Pilot	\$ 132.00	
SMIP50071	Smith Flame Sensor G100	\$ 36.00	
*SMIP16-1000	Smith GS110 Initor	\$ 81.84	
Olsen Furnace			
DUO20834	Olsen HDS Series Ignitor W/12" leads	\$ 24.19	
DUO26789	Olsen Ignitor HDST Series	\$ 27.65	
DUO28687	Flame sensor for GTH	\$ 9.68	
DUO26878	Flame sensor for HDST, HHST	\$ 30.24	
Roll Out Switches			
WR3L12-260	230F Spill-Rollout Safety Switch manual reset	\$ 13.60	

White Rodgers			10.27.19
Model #	Description	Trade Price	
Millivolt Generators			
WRG01A-332	750 MV Gen	\$ 51.04	
Thermocouples			
WRH06E-18	18"	\$ 7.51	
WRH06E-24	24"	\$ 7.92	
WRH06E-30	30"	\$ 8.33	
WRH06E-36	36"	\$ 8.69	
SMIP51006	36" Heavy Duty	\$ 32.65	
WRH06E-48	48"	\$ 10.00	

> Oil Related Parts



Oil Related parts		10.27.19
Nozzles		Trade Price
	Danfoss Nozzle All	\$ 6.30
Oil Pumps		
	BEC-21844U 3450 Clean Cut w/solenoid valve	\$ 81.23
	SUN-A2VA7116 3450 Single Stage	\$ 90.62
Oil Burner Transformers		
	BEC-51771U f/Becket AF solid state	\$ 46.83
	CARL4100-SO-BK-1 f/Becket AF & AFG	\$ 53.35
Oil Burner Blower Motors		
	CARL98022S Carlon 3450 1/6 HP, 120V clockwise rotation looking from rear	\$ 79.14
	EME5866 Emerson 3450 1/7 HP, 120V clockwise rotation looking from rear	\$ 89.30
Primary Controls		
	HWR8184G4009 Oil Primary 45 Sec w/TT Terminals (Analog)	\$ 117.33
	HWR7284B1024 Solid state primary, valve off delay only	\$ 68.99
	HWR7284U1004 Electronic universal replcement on an off delays	\$ 83.02
Cad Cells		
	HW130367 CAD cell eye only	\$ 25.83
	HWC554A1463 CAD cell assembly kit	\$ 29.67
Electrodes		
	CRO5780C Beckett AF burners	\$ 9.17
	CRO28024-2-2PK Wayne M Series	\$ 9.24
	CRO28037-2-2PK Wayne HS	\$ 11.55
Tune Up Kits include electrodes, drive couplings, oil feed		
	CR05780K Beckett AF burners	\$ 19.32
	WAYP31156K Wayne MSR	\$ 27.28
Electrode Gauge		
	CRO40445 Electrode gauge	\$ 6.29
Oil Flex Line		
	CRO43005 24" Flex oil line	\$ 17.25
Oil Chamber Repair Wet Kits		
	MIT628-21M 14"x48" & 16"x16" x 1/2 Kit	\$ 66.71
Drive Coupling from burner motor to oil pump		
Item#	Description	Trade
CROKK120	drive coupling kit Wayne drive	\$ 6.72
*WAYP13424	coupling	\$ 7.30
Blower Wheels		
	*WAYP21642 Wayne blower wheels/blue 3rd gen	\$ 30.91
Mounting Flanges and Gaskets		
	CRO100428 Gasket f/burner flance	\$ 3.67
	*WAYP31328-030 Universal mounting flange	\$ 9.45

Nozzle Equivalent Charts


Manufacture	Solid	Semi-Solid	Hollow
Danfoss	AS	AB	AH
Delavan	B	W	A
Hago	ES	SS	H
Monarch	R	AR	NS
Steinen	S	Q	H

> Oil Related Parts

Mitco Oil Burner Parts		2.14.19
Item#	Description	Trade
Oil Filter complete		
MIT264C	Oil Filter & housing =Gen 1A25A, Autoflo F300, Harvey 264, 264F, Unifilter 77, Westwood S254	\$ 19.99
MIT264-90M	Spin on 10 micron oil filter complete auto style top & filter	\$ 30.24
Oil Filter Elements		
MIT264E	Oil Filter =Gen 1A25A, Autoflo F300, Harvey 264, 264F, Unifilter 77, Westwood S254	\$ 1.60
MIT264-91M	Model R Std Spin on oil filter for 264-90M	\$ 9.10
MIT250E	Fits Fulflo B4, FB4, AS4, OB4	\$ 2.01
MIT265-12AM	Micoflow element for Gen 2A-700	\$ 3.17
Mitco Misc. Parts		
MIT-BLK-110-M	MITCO BLACK GLOVES MEDIUM	\$ 12.85
MIT-BLK-110-L	MITCO BLACK GLOVES Large	\$ 12.85
MIT-BLK-110-XL	MITCO BLACK GLOVES XTRALarge	\$ 12.85
*MIT650-16	3/8" x 25ft Hi-Temp rope	\$ 25.52
MITB123-7	Dirt pocket capt 3/4"	\$ 14.19
MIT628-21M	web blanket kit 14"x48"x1/2"	\$ 66.71
High Temperature Silicone Caulk		
JONJ40-285*	100% Red silicone caulk, UL, NSF51 listed, 65-650°F	\$ 10.34
Test Equipment		
*MITT389	Oil transformer tester	\$ 100.28
*MITE55-2	oil cad cell tester	\$ 64.51



Wayne Oil to Gas Conversion Burner
 Max insertion length 7"
WAYP250AF-8-DI-NAT.....\$832.22



Field Double acting draft control for oil to gas power burners conversions
FLD6MG1..... \$80.84

***Oil to Gas conversion may require additional Controls **

Sheetmetal

Visit us on the web at: www.capitoldistrictsupply.com
or email us at: orders@capitoldistrictsupply.com



Sheet Metal



Round Galvanized Smoke Pipe 24-26-30 Gauge

Model #	Description	Trade
SMRL3X226	3 X 2FT 26GA SMOKE PIPE	\$ 3.86
SMRL3X230	3 X 2FT 30GA SMOKE PIPE	\$ 2.99
SMRL3X530	3 X 5FT 30GA SMOKE PIPE	\$ 8.93
SMRL4X226	4 X 2FT 26GA SMOKE PIPE	\$ 5.15
SMRL4X230	4 X 2FT 30GA SMOKE PIPE	\$ 3.98
SMRL4X530	4 X 5FT 30GA SMOKE PIPE	\$ 5.83
SMRL5X226	5 X 2FT 26GA SMOKE PIPE	\$ 5.25
SMRL5X230	5 X 2FT 30GA SMOKE PIPE	\$ 3.30
SMRL5X530	5 X 5FT 30GA SMOKE PIPE	\$ 6.98
SMRL6X226	6 X 2FT 26GA SMOKE PIPE	\$ 5.71
SMRL6X230	6 X 2FT 30GA SMOKE PIPE	\$ 4.06
SMRL6X530	6 X 5FT 30GA SMOKE PIPE	\$ 7.58
SMRL7X226	7 X 2FT 26GA SMOKE PIPE	\$ 5.14
SMRL7X230	7 X 2FT 30GA SMOKE PIPE	\$ 4.70
SMRL7X530	7 X 5FT 30GA SMOKE PIPE	\$ 10.19
SMRL8X226	8 X 2FT 26GA SMOKE PIPE	\$ 5.32
SMRL8X230	8 X 2FT 30GA SMOKE PIPE	\$ 5.21
SMRL8X530	8 X 5FT 30GA SMOKE PIPE	\$ 13.11

Model #	Description	Trade
SMRL9X226	9 X 2FT 26GA SMOKE PIPE	\$ 9.68
SMRL9X230	9 X 2FT 30GA SMOKE PIPE	\$ 7.41
SMRL10X226	10 X 2FT 26GA SMOKE PIPE	\$ 8.02
SMRL10X526	10 X 5FT 26GA SMOKE PIPE	\$ 22.00
SMRL10X530	10 X 5FT 30GA SMOKE PIPE	\$ 22.52
SMRL12X226	12 X 2FT 26GA SMOKE PIPE	\$ 11.75
SMRL12X526	12 X 5FT 26GA SMOKE PIPE	\$ 33.70
SMRL14X224	14 X 2 FT 24 GA. SMOKE PIPE	\$ 21.09
SMRL14X226	14 X 2FT 26GA SMOKE PIPE	\$ 11.71
SMRL14X424	14 X 4 FT 24 GA. SMOKE PIPE	\$ 42.27
SMRL16X2-24	16 X 2 FT 24 GA. SMOKE PIPE	\$ 18.63
SMRL18X224	18 X 2 FT 24 GA. SMOKE PIPE	\$ 30.57
SMRL18X424	18 X 4 FT 24 GA. SMOKE PIPE	\$ 61.15
SMRL20X224	20 X 2 FT 24 GA. SMOKE PIPE	\$ 47.92
SMRL20X424	20 X 4 FT 24 GA. SMOKE PIPE	\$ 95.84
SMRL24X224	24 X 2 FT 24 GA. SMOKE PIPE	\$ 69.02



Reducer - Increaser Galvanized Non-Crimped

Model #	Description	Trade
SMR4314X3	4 X 3 ROUND SMOKE REDUCER	\$ 5.52
SMR4315X3	5 X 3 ROUND SMOKE REDUCER	\$ 5.79
SMR4315X4	5 X 4 ROUND SMOKE REDUCER	\$ 5.87
SMR4316X3	6 X 3 ROUND SMOKE REDUCER	\$ 7.05
SMR4316X4	6 X 4 ROUND SMOKE REDUCER	\$ 4.56
SMR4316X5	6 X 5 ROUND SMOKE REDUCER	\$ 5.47
SMR4317X3	7 X 3 ROUND SMOKE REDUCER	\$ 13.34
SMR4317X4	7 X 4 ROUND SMOKE REDUCER	\$ 7.70
SMR4317X5	7 X 5 ROUND SMOKE REDUCER	\$ 8.03
SMR4317X6	7 X 6 ROUND SMOKE REDUCER	\$ 8.01
SMR4318X3	8 X 3 ROUND SMOKE REDUCER	\$ 12.77
SMR4318X4	8 X 4 ROUND SMOKE REDUCER	\$ 8.94

Model #	Description	Trade
SMR4318X5	8 X 5 ROUND SMOKE REDUCER	\$ 8.94
SMR4318X6	8 X 6 ROUND SMOKE REDUCER	\$ 7.38
SMR4318X7	8 X 7 ROUND SMOKE REDUCER	\$ 6.38
SMR4319X4	9 X 4 ROUND SMOKE REDUCER	\$ 12.00
SMR4319X7	9 X 7 ROUND SMOKE REDUCER	\$ 13.49
SMR4319X8	9 X 8 ROUND SMOKE REDUCER	\$ 13.49
SMR43110X8	10 X 8 ROUND SMOKE REDUCER	\$ 9.62
SMR43112X10	12 X 10 ROUND SMOKE REDUCER	\$ 14.26
SMR43112X8	12 X 8 ROUND SMOKE REDUCER	\$ 14.03
SMR43116X14	16 X 14 ROUND SMOKE REDUCER	\$ 24.25
SMR43118X16	18 X 16 ROUND SMOKE REDUCER	\$ 25.74



Elbow, Round, Adjustable Galvanized 24-26-30 Gauge

Elbows Round 24-26 Gauge 2.19.19

Model #	Description	Trade
SMR90263	3 26GA ELL	\$ 4.15
SMR90264	4 26GA ELL	\$ 3.39
SMR90265	5 26GA ELL	\$ 3.45
SMR90266	6 26GA ELL	\$ 4.02
SMR90267	7 26GA ELL	\$ 4.35
SMR90268	8 26GA ELL	\$ 4.79
SMR90269	9 26GA ELL	\$ 11.09
SMR902610	10 26GA ELL	\$ 11.23
SMR902612	12 26GA ELL	\$ 10.29
SMR902414	14 24 GA. ELL	\$ 32.58
SMR902416	16 24 GA. ELL	\$ 51.18
SMR902422	22 24 GA. ELL	\$ 97.00

Elbows Round 30 Gauge 2.19.19

Model #	Description	Trade
SMR90303	3 30GA ELL	\$ 2.33
SMR90304	4 30GA ELL	\$ 2.39
SMR90305	5 30GA ELL	\$ 2.21
SMR90306	6 30GA ELL	\$ 2.10
SMR90307	7 30GA ELL	\$ 3.41
SMR90308	8 30GA ELL	\$ 5.54



Tees, galvanized

Model #	Description	Trade
SMR352326	3 26GA SMOKE TEE	\$ 15.44
SMR352426	4 26GA SMOKE TEE	\$ 11.10
SMR352526	5 26GA SMOKE TEE	\$ 12.56
SMR352626	6 26GA SMOKE TEE	\$ 12.79
SMR352726	7 26GA SMOKE TEE	\$ 16.92
SMR352826	8 26GA SMOKE TEE	\$ 15.88
SMR352926	9 26GA SMOKE TEE	\$ 24.29
SMR3521026	10 26GA SMOKE TEE	\$ 24.18
SMR3521226	12 26GA SMOKE TEE	\$ 39.33
SMR3521424	14 24 GA. SMOKE TEE	\$ 68.54
SMR3521624	16 24 GA. SMOKE TEE	\$ 99.93
SMR3521824	18 24 GA. SMOKE TEE	\$ 124.81
SMR3522024	20 24 GA. SMOKE TEE	\$ 150.77



End Caps Non-Crimped

Model #	Description	Trade
SMR4213	3 ROUND END CAP	\$ 5.62
SMR4214	4 ROUND END CAP	\$ 6.28
SMR4215	5 ROUND END CAP	\$ 5.56
SMR4216	6 ROUND END CAP	\$ 5.86
SMR4217	7 ROUND END CAP	\$ 5.85
SMR4218	8 ROUND END CAP	\$ 7.36
SMR4219	9 ROUND END CAP	\$ 6.98
SMR42110	10 ROUND END CAP	\$ 8.44
SMR42112	12 ROUND END CAP	\$ 9.05
SMR42114	14 ROUND END CAP	\$ 11.72



Draw Band acts like repair coupling

Draw Bands 2.19.19

Model #	Description	Trade
SMR4105	5 DRAWBAND	\$ 5.61
SMR4106	6 DRAWBAND	\$ 4.40
SMR4107	7 DRAWBAND	\$ 4.43
SMR4108	8 DRAWBAND	\$ 5.36



Chimney Thimble

Model #	Description	Trade
SMR4155	5 CHIMNEY THIMBLE	\$ 3.89



Top Takeoff Adjustable Self stick w/damper

Top Takeoffs Adjustable self stick 2.19.19

Model #	Description	Trade
SMR1303D5	5 SELF ADH ADJ TOP TAKEOFF W/DAMPER	\$ 11.21
SMR1303D6	6 SELF ADH ADJ TOP TAKEOFF W/DAMPER	\$ 14.69
SMR1303D7	7 SELF ADH ADJ T/O W/DAMPER	\$ 18.46
SMR1303D8	8 SELF ADH ADJ T/O W/DAMPER	\$ 18.84
SMR1303D10	10 SELF ADH ADJ T/O W/DAMPER	\$ 34.41
SMR130310	10" SELF ADH ADJ T/O W/O DAMPER	\$ 32.38



Balancing Damper w/hardware

Balancing Dampers 6.18.18

Model #	Description	Trade
SMRDH4	4 DAMPER W/HARDWARE	\$ 7.72
SMRDH5	5 DAMPER W/2 HARDWARE #10	\$ 5.51
SMRDH6	6 DAMPER W/2 HARDWARE #10	\$ 4.69
SMRDH7	7 DAMPER W/2 HARDWARE #10	\$ 7.11
SMRDH8	8 DAMPER W/2 HARDWARE #10	\$ 6.26



Side Takeoff self stick w/damper

SideTakeoffs Adjustable self stick 2.19.19

Model #	Description	Trade
SMR1328D5	5 SELF ADH SIDE T/O W/DAMPER	\$ 11.22
SMR1328D6	6 SELF ADH SIDE T/O W/DAMPER	\$ 11.88
SMR1328D7	7 SELF ADH SIDE T/O W/DAMPER	\$ 14.13
SMR1328D8	8 SELF ADH SIDE T/O W/DAMPER	\$ 16.19
SMR1328D10	10 SELF ADH SIDE T/O W/DAMPER	\$ 20.94



Starting Collars Round

Model #	Description	Trade
SMR4134	4 ROUND STARTING COLLAR	\$ 1.60
SMR4135	5 ROUND STARTING COLLAR	\$ 1.68
SMR4136	6 ROUND STARTING COLLAR	\$ 1.85
SMR4137	7 ROUND STARTING COLLAR	\$ 1.92
SMR4138	8 ROUND STARTING COLLAR	\$ 2.19
SMR41310	10 ROUND STARTING COLLAR	\$ 3.19
SMR41312	12 ROUND STARTING COLLAR	\$ 3.62
SMR41314	14 ROUND STARTING COLLAR	\$ 5.82
SMR41316	16 ROUND STARTING COLLAR	\$ 5.71



Rain Caps

Model #	Description	Trade
SMR203	3 ROUND RAIN CAP	\$ 8.75
SMR204	4 ROUND RAIN CAP	\$ 6.70
SMR205	5 ROUND RAIN CAP	\$ 7.05
SMR206	6 ROUND RAIN CAP	\$ 10.32
SMR207	7 ROUND RAIN CAP	\$ 10.25
SMR208	8 ROUND RAIN CAP	\$ 12.83



6" Takeoff adjustable starting collar 90

Top Takeoff Adjustable 90 w/starting collar 2.19.19

Model #	Description	Trade
SMR3256	6 TAKEOFF STARTING COLLAR W/ADJ 90	\$ 4.73



Top Takeoff non-adjustable no damper

Top Takeoff Square Non-Adjustable		2.19.19
Model #	Description	Trade
SMR5645	5 TOP TAKE-OFF NON-ADJUST	\$ 9.80
SMR5647	7 TOP TAKE-OFF NON-ADJUST	\$ 10.98
SMR5648	8 TOP TAKE-OFF NON-ADJUST	\$ 11.29
SMR56410	10 TOP TAKE-OFF	\$ 16.62



Side Takeoff no damper

Side Takeoffs no damper		2.19.19
Model #	Description	Trade
SMR3285	5 SIDE TAKE-OFF	\$ 8.72
SMR3286	6 SIDE TAKE-OFF	\$ 9.38
SMR3287	7 SIDE TAKE-OFF	\$ 10.24
SMR3288	8 SIDE TAKE-OFF	\$ 11.61



Side Takeoff with damper

Model #	Description	Trade
SMR1329D8	8" SIDE TAKEOFF W/DAMPER SELF STICK	\$ 12.97



Takeoff Round self stick w/damper

Round Adhesive Takeoff		2.19.19
Model #	Description	Trade
SMR1329RD5	5 SELF ADH ROUND BASE COLLAR T/O	\$ 9.23
SMR1329RD6	6 SELF ADH ROUND BASE COLLAR T/O	\$ 8.44
SMR1329RD7	7 SELF ADH ROUND BASE COLLAR T/O	\$ 10.91
SMR1329RD8	8 SELF ADH ROUND BASE COLLAR T/O	\$ 11.76



Basement Angle Boot

Model #	Description	Trade
SMRPH16X6X10	6 X 10 X 6 ANGLE BASEMENT BOOT	\$ 15.66



Angle Register Boot

Angle Boots		2.19.19
Model #	Description	Trade
SMRL5752X10X5	2-1/4 X 10 X 5 ANGLE BOOT	\$ 5.11
SMRL5752X10X6	2-1/4 X 10 X 6 ANGLE BOOT	\$ 5.19
SMRL5752X12X5	2-1/4 X 12 X 5 ANGLE BOOT	\$ 7.98
SMRL5752X12X6	2-1/4 X 12 X 6 ANGLE BOOT	\$ 4.88
SMRL5752X12X7	2-1/4 X 12 X 7 ANGLE BOOT	\$ 8.14
SMRL5752X12X8	2-1/4 X 12 X 8 ANGLE BOOT	\$ 10.91
SMRL5752X14X6	2-1/4 X 14 X 6 ANGLE BOOT	\$ 10.03
SMRL5754X10X6	4 X 10 X 6 ANGLE BOOT	\$ 4.37
SMRL5754X10X7	4 X 10 X 7 ANGLE BOOT	\$ 11.39
SMRL5754X12X6	4 X 12 X 6 ANGLE BOOT	\$ 6.21
SMRL5754X12X7	4 X 12 X 7 ANGLE BOOT	\$ 6.89
SMRL5754X12X8	4 X 12 X 8 ANGLE BOOT	\$ 7.91
SMRL5754X14X8	4 X 14 X 8 ANGLE BOOT	\$ 7.22



Pencil Register Boot

Pencil Boots		3.23.19
Model #	Description	Trade
SMRL5712X10X5	2-1/4 X 10 X 5 PENCIL BOOT	\$ 6.30
SMRL5712X10X6	2-1/4 X 10 X 6 PENCIL BOOT	\$ 6.54
SMRL5712X12X5	2-1/4 X 12 X 5 PENCIL BOOT	\$ 5.45
SMRL5712X12X6	2-1/4 X 12 X 6 PENCIL BOOT	\$ 5.40
SMRL5712X12X7	2-1/4 X 12 X 7 PENCIL BOOT	\$ 11.44
SMRL5714X10X6	4 X 10 X 6 PENCIL	\$ 4.71
SMRL5714X10X7	4 X 10 X 7 PENCIL	\$ 12.17
SMRL5714X12X6	4 X 12 X 6 PENCIL	\$ 8.56
SMRL5714X12X7	4 X 12 X 7 PENCIL	\$ 5.98
SMRL5714X12X8	4 X 12 X 8 PENCIL	\$ 8.36
SMRL5714X14X8	4 X 14 X 8 PENCIL BOOT	\$ 6.90



Rectangular to round straight boot

Rectangular to Round Straight Boot		3.11.19
Model #	Description	Trade
SMRL5726X10X6	6 X 10 X 6 STRAIGHT BOOT	\$ 6.12
SMR5736X14X8	6 X 14 X 8 ROUND REG PAN STRAIGHT	\$ 16.08

Oval Pipe and Fittings



Horizontal 45



Vertical 45



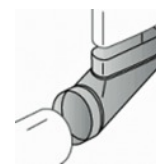
Horizontal 90



Vertical 90



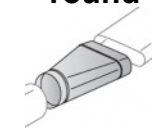
Stack Head



End Boot oval to round



Angle boot oval to round



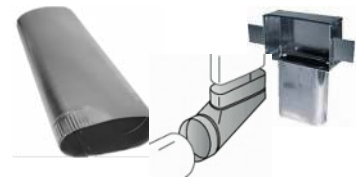
Straight Boot oval to round



Straight Register Boot

Straight Boots		2.19.19
Model #	Description	Trade
SMRL5722X10X5	2-1/4 X 10 X 5 STRAIGHT BOOT	\$ 9.35
SMRL5722X12X5	2-1/4 X 12 X 5 STRAIGHT BOOT	\$ 8.37
SMRL5722X12X6	2-1/4 X 12 X 6 STRAIGHT BOOT	\$ 5.85
SMRL5722X12X7	2-1/4 X 12 X 7 STRAIGHT BOOT	\$ 10.92
SMRL5724X10X6	4 X 10 X 6 STRAIGHT	\$ 4.38
SMRL5724X10X7	4 X 10 X 7 STRAIGHT	\$ 11.39
SMRL5724X12X6	4 X 12 X 6 STRAIGHT	\$ 8.56
SMRL5724X12X7	4 X 12 X 7 STRAIGHT	\$ 4.82
SMRL5724X12X8	4 X 12 X 8 STRAIGHT	\$ 7.91
SMRL5724X14X8	4 X 14 X 8 STRAIGHT	\$ 12.88
SMRL5726X10X6	6 X 10 X 6 STRAIGHT	\$ 6.15
SMR5736X14X8	6 X 14 X 8 ROUND REG PAN STRAIGHT	\$ 16.08

Oval Pipe and Fittings 5"-6"-7"-8"



5" Oval Pipe & Fittings		2.15.19
SMO5OVAL45H	5 OVAL HORIZONTAL 45	\$ 4.26
SMO5OVAL45V	5 OVAL VERTICAL 45	\$ 2.35
SMO5OVAL90	5 OVAL VERTICAL 90 ELBOW	\$ 4.07
SMO5OVAL90H	5 OVAL HORIZONTAL 90	\$ 8.37
SMO5OVALSH	5 OVAL STACK HEAD TO 6 X 10 REG	\$ 8.93
SMO5X100OVAL	5 X 100 OVAL GALV PIPE	\$ 14.71
SMO715	5 OVAL TO ROUND END BOOT	\$ 8.35
SMO725	5 OVAL TO ROUND STRAIGHT BOOT	\$ 8.77
SMO755	5 OVAL TO ROUND ANGLE BOOT	\$ 5.74
SMOX6305	5 OVAL STARTING COLLAR	\$ 7.66

6" Oval Pipe & Fittings		2.15.19
SMO6OVAL45	6 OVAL VERT 45	\$ 3.18
SMO6OVAL45H	6 OVAL HORIZONTAL 45	\$ 4.47
SMO6OVAL90	6 OVAL VERTICAL 90	\$ 3.31
SMO6OVAL90H	6 OVAL HORIZONTAL 90	\$ 9.22
SMO6OVALSH	6 OVAL STACK HEAD TO 6 X 10 REG	\$ 6.24
SMO6X100OVAL	6 X 100IN OVAL PIPE	\$ 13.48
SMO716	6 ROUND TO OVAL END BOOT	\$ 6.46
SMO726	6 ROUND TO OVAL STRAIGHT BOOT	\$ 7.42
SMO756	6 ROUND TO OVAL ANGLE BOOT	\$ 6.92
SMOL5772X12X6	6 OVAL 45 DEG ANGLE BOOT TO 2-1/4X12 boot	\$ 12.24
SMOX6306	6 OVAL STARTING COLLAR	\$ 7.66

7" Oval Pipe & Fittings		2.18.19
SMO717	7 ROUND TO OVAL END BOOT	\$ 7.24
SMO727	7 ROUND TO OVAL STRAIGHT BOOT	\$ 7.56
SMO757	7 ROUND TO OVAL ANGLE BOOT	\$ 6.49
SMO7OVAL45	7 OVAL VERTICAL 45	\$ 3.43
SMO7OVAL45H	7 OVAL HORIZONTAL 45	\$ 9.42
SMO7OVAL90	7 OVAL VERTICAL 90	\$ 4.09
SMO7OVAL90H	7 OVAL HORIZONTAL 90	\$ 7.60
SMO7OVALSH	7 OVAL STACK HEAD TO 6 X 10 REG	\$ 11.52
SMO7X100OVAL	7 X 100IN OVAL PIPE	\$ 14.65
SMOL5772X12X7	7 OVAL 45 DEG ANGLE RO 2-1/4 X 12 BOOT	\$ 14.51
SMOX6307	7 OVAL STARTING COLLAR	\$ 6.99

8" Oval Pipe & Fittings		2.18.19
SMO718	8" OVAL TO ROUND END BOOT	\$ 16.13
SMO728	8 ROUND TO OVAL STRAIGHT BOOT	\$ 13.63
SMO758	8 ROUND TO OVAL ANGLE BOOT	\$ 10.60
SMO8OVAL45	8 OVAL 45 VERTICAL ELBOW	\$ 5.66
SMO8OVAL45H	8" OVAL HORIZONTAL 45	\$ 15.22
SMO8OVAL90	8 OVAL VERT 90	\$ 6.69
SMO8OVAL90H	8" OVAL HORIZONTAL 90	\$ 15.45
SMO8OVALSH	8 OVAL STACK HEAD TO 6 X 14 REG	\$ 21.56
SMO8X100OVAL	8 X 100 IN OVAL PIPE	\$ 17.51
SMOX6308	8 OVAL STARTING COLLAR	\$ 8.25

Sheetmetal

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**Trunk Duct
4' long**

8" x 8" to 30" x 8
10" x 25" & 10" x 28"

Model #	Description	Trade
SMTL8X8 (COMPLETE)	8 X 8 X 4 FT TRUNK DUCT W/S + DRIVE	\$ 17.69
SMTL8X8 (Duct Only)	8 X 8 X 4 FT TRUNK DUCT	\$ 19.37
SMTL10X8 (COMPLETE)	10 X 8 X 4 FT TRUNK DUCT W/S + DRIVE	\$ 18.55
SMTL10X8 (Duct Only)	10 X 8 X 4 FT TRUNK DUCT	\$ 21.06
SMTL12X8 (COMPLETE)	12 X 8 X 4 FT TRUNK DUCT W/S + DRIVE	\$ 18.08
SMTL12X8 (Duct Only)	12 X 8 X 4 FT TRUNK DUCT	\$ 25.33
SMTL14X8 (COMPLETE)	14 X 8 X 4 FT TRUNK DUCT W/S +	\$ 23.13
SMTL14X8 (Duct Only)	14 X 8 X 4 FT TRUNK DUCT	\$ 24.10
SMTL16X8 (COMPLETE)	16 X 8 X 4 FT TRUNK DUCT W/S + DRIVE	\$ 26.86
SMTL16X8 (Duct Only)	16 X 8 X 4 FT TRUNK DUCT	\$ 22.36
SMTL18X8 (COMPLETE)	18 X 8 X 4 FT TRUNK DUCT W/S +	\$ 29.78
SMTL18X8 (Duct Only)	18 X 8 X 4 FT TRUNK DUCT	\$ 24.88
SMTL20X8 (COMPLETE)	20 X 8 X 4 FT TRUNK DUCT W/S + DRIVE	\$ 32.74
SMTL20X8 (Duct Only)	20 X 8 X 4 FT TRUNK DUCT	\$ 32.92
SMTL22X8 (COMPLETE)	22 X 8 X 4 FT TRUNK DUCT W/S +	\$ 30.58
SMTL22X8 (Duct Only)	22 X 8 X 4 FT TRUNK DUCT	\$ 36.21
SMTL24X8 (COMPLETE)	24 X 8 X 4 FT TRUNK DUCT W/S + DRIVE	\$ 31.33
SMTL24X8 (Duct Only)	24 X 8 X 4 FT TRUNK DUCT	\$ 36.78
SMTL25X10	25 X 10 X 4 FT TRUNK DUCT W/S +	\$ 61.24
SMTL25X10X32	25 X 10 X 32 TRUNK W / S & D FOR	\$ 36.81
SMTL26X8 (COMPLETE)	26 X 8 X 4 FT TRUNK DUCT W/S +	\$ 37.47
SMTL26X8 (Duct Only)	26 X 8 X 4 FT TRUNK DUCT	\$ 42.56
SMTL28X10 (Duct Only)	28 X 10 X 4 FT TRUNK DUCT	\$ 56.23
SMTL28X8 (COMPLETE)	28 X 8 X 4 FT TRUNK DUCT W/S +	\$ 52.08
SMTL28X8 (Duct Only)	28 X 8 X 4 FT TRUNK DUCT	\$ 48.22
SMTL30X8 (COMPLETE)	30 X 8 X 4 FT TRUNK DUCT W/S +	\$ 41.21
SMTL30X8 (Duct Only)	30 X 8 X 4 FT TRUNK DUCT	\$ 44.67



**Trunk Duct
Transition
Takeoff**

Model #	Description	Trade
SMTS1810X8	10 X 8 TO 12 X 9 TRANSITION TAKEOFF	\$ 26.80
SMTS1812X8	12 X 8 TO 12 X 9 TRANSITION	\$ 35.96
SMTS1814X8	14 X 8 TO 12 X 10 TRANSITION	\$ 33.16
SMTS1816X8	16 X 8 TO 12 X 11 TRANSITION	\$ 36.22
SMTS1818X8	18 X 8 TO 12 X 12 TRANSITION	\$ 40.12
SMTS1820X8	20 X 8 TO 12 X 14 TRANSITION	\$ 44.86
SMTS1822X8	22 X 8 TO 12 X 15 TRANSITION	\$ 37.07
SMTS1824X8	24 X 8 TO 12 X 16 TRANSITION	\$ 49.22
SMTS1826X8	26 X 8 TO 14 X 15 TRANSITION	\$ 50.85
SMTS1828X8	28 X 8 TO 14 X 16 TRANSITION	\$ 54.07
SMTS1828X10	28 X 10 TO 14 X 16 TRANSITION	\$ 57.29

**Trunk Elbows
Horizontal
90 & 45's**

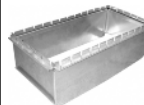


Model #	Description	Trade
SMTS258X8	8 X 8 HORIZONTAL 90 ELBOW	\$ 23.21
SMTS258X10	8 X 10 HORIZONTAL 90 ELBOW	\$ 25.32
SMTS258X12	8 X 12 HORIZONTAL 90 ELBOW	\$ 31.57
SMTS258X14	8 X 14 HORIZONTAL 90 ELBOW	\$ 34.67
SMTS258X16	8 X 16 HORIZONTAL 90 ELBOW	\$ 33.31
SMTS258X18	8 X 18 HORIZONTAL 90 ELBOW	\$ 30.49
SMTS258X20	8 X 20 HORIZONTAL 90 ELBOW	\$ 42.65
SMTS258X22	8 X 22 HORIZONTAL 90 ELBOW	\$ 46.20
SMTS258X24	8 X 24 HORIZONTAL 90 ELBOW	\$ 54.02
SMTS258X26	8 X 26 HORIZONTAL 90 ELBOW	\$ 64.23
SMTS258X28	8 X 28 HORIZONTAL 90 ELBOW	\$ 75.19
SMTS258X30	8 X 30 HORIZONTAL 90 ELBOW	\$ 93.43
SMTS2510X28	10 X 28 HORIZONTAL 90 ELBOW	\$ 88.89
SMTS328X12	8 X 12 HORIZONTAL 45 ELBOW	\$ 22.91
SMTS328X14	8 X 14 HORIZONTAL 45 ELBOW	\$ 20.47
SMTS328X16	8 X 16 HORIZONTAL 45 ELBOW	\$ 24.92
SMTS328X18	8 X 18 HORIZONTAL 45 ELBOW	\$ 23.95
SMTS328X20	8 X 20 HORIZONTAL 45 ELBOW	\$ 24.81
SMTS328X22	8 X 22 HORIZONTAL 45 ELBOW	\$ 34.77
SMTS328X24	8 X 24 HORIZONTAL 45 ELBOW	\$ 37.11
SMTS328X28	8 X 28 HORIZONTAL 45 ELBOW	\$ 66.04

**Trunk Elbows
Vertical 90
& 45's**



Model #	Description	Trade
SMT3078X8	8 X 8 VERTICAL 90 ELBOW	\$24.82
SMT3078X10	8 X 10 VERTICAL 90 ELBOW	\$20.03
SMT3078X12	8 X 12 VERTICAL 90 ELBOW	\$24.04
SMT3078X14	8 X 14 VERTICAL 90 ELBOW	\$22.24
SMT3078X16	8 X 16 VERTICAL 90 ELBOW	\$32.07
SMT3078X18	8 X 18 VERTICAL 90 ELBOW	\$30.82
SMT3078X20	8 X 20 VERTICAL 90 ELBOW	\$39.86
SMT3078X22	8 X 22 VERTICAL 90 ELBOW	\$48.40
SMT3078X24	8 X 24 VERTICAL 90 ELBOW	\$41.47
SMT3078X26	8 X 26 VERTICAL 90 ELBOW	\$46.45
SMT3078X28	8 X 28 VERTICAL 90 ELBOW	\$51.96
SMT31412X8	12 X 8 VERTICAL 45 ELBOW (S)	\$13.66
SMT31414X8	14 X 8 VERTICAL 45 ELBOW	\$22.47
SMT31416X8	16 X 8 VERTICAL 45 ELBOW (S)	\$23.53
SMT31418X8	18 X 8 VERTICAL 45 ELBOW	\$25.01
SMT31420X8	20 X 8 VERTICAL 45 ELBOW	\$24.95
SMT31424X8	24 X 8 VERTICAL 45 ELBOW	\$23.82



**Truck Duck
Takeoff
Rectangular**

Model #	Description	Trade
SMTS208X8	8 X 8 TRUNK DUCT STARTING COLLAR	\$10.35
SMTS208X10	8 X 10 TRUNK DUCT STARTING COLLAR	\$11.39
SMTS208X12	8 X 12 TRUNK DUCT STARTING COLLAR	\$10.36
SMTS208X14	8 X 14 TRUNK DUCT STARTING COLLAR	\$12.54
SMTS208X16	8 X 16 TRUNK DUCT STARTING COLLAR	\$13.85
SMTS208X18	8 X 18 TRUNK DUCT STARTING COLLAR	\$14.44
SMTS208X20	8 X 20 TRUNK DUCT STARTING COLLAR	\$14.89
SMTS208X22	8 X 22 TRUNK DUCT STARTING COLLAR	\$14.56
SMTS208X24	8 X 24 TRUNK DUCT STARTING COLLAR	\$16.93
SMTS208X26	8 X 26 TRUNK DUCT STARTING COLLAR	\$18.72
SMTS208X28	8 X 28 TRUNK DUCT STARTING COLLAR	\$19.61
SMTS208X30	8 X 30 TRUNK DUCT STARTING COLLAR	\$23.58
SMTS2010x25	10 X 25 TRUNK DUCT STARTING COLLAR	\$19.61
SMTS2010x28	10 X 28 TRUNK DUCT STARTING COLLAR	\$21.34



**Offset Trunk
Starting Collar**

Model #	Description	Trade
SMTS198X12	8 X 12 OFFSET START COLLAR	\$ 26.20
SMTS198X14	8 X 14 OFFSET START COLLAR	\$ 38.21
SMTS198X16	8 X 16 OFFSET START COLLAR	\$ 31.59
SMTS198X18	8 X 18 OFFSET START COLLAR	\$ 45.07
SMTS1920X8	20 X 8 OFFSET STARTING COLLAR	\$ 39.71

**S Cleat, Drive Cleat, and
Angle, Hangers**



Model #	Description	Trade
SMTSCLEAT	5 FT S-CLEAT	\$ 2.53
SMTANGLE-10	1" X 120" Standing S Cleat	\$ 15.94
SMTSDC	5 FT DRIVE CLEAT	\$ 2.50
SMTDTC	8" DRIVE CLEAT	\$ 0.43
SMTDTC10"	10" Drive Cleat	\$ 0.71
Angle		
SMT1/2X1.5X8A	1/2" X 1-1/2" X 8 FT ANGLE	\$ 6.03
SMTANGLE-8CA	1/2" X 1-1/2" X 8 FT ANGLE COLD AIR GROUND	\$ 9.36
SMTANGLE1-1/2	1/2" X 1-1/2" X 3" X 8 FT ANGLE	\$ 9.11
Hangers		
THER-THERMO-FAST	DUCT HANGER	\$ 1.05
SMTSPARTIP	ADJUSTABLE DUCT HANGER SPEAR TIP	\$ 1.17



**Trunk Duct
End Cap**

Model #	Description	Trade
SMTS128X8	8 X 8 TRUNK DUCT END CAP	\$ 4.50
SMTS128X10	8 X 10 TRUNK DUCT END CAP	\$ 3.53
SMTS128X12	8 X 12 TRUNK DUCT END CAP	\$ 4.13
SMTS128X14	8 X 14 TRUNK DUCT END CAP	\$ 5.38
SMTS128X16	8 X 16 TRUNK DUCT END CAP	\$ 5.15
SMTS128X18	8 X 18 TRUNK DUCT END CAP	\$ 6.36
SMTS128X20	8 X 20 TRUNK DUCT END CAP	\$ 6.47
SMTS128X22	8 X 22 TRUNK DUCT END CAP	\$ 8.85
SMTS128X24	8 X 24 TRUNK DUCT END CAP	\$ 7.28
SMTS128X26	8 X 26 TRUNK DUCT END CAP	\$ 8.55
SMTS128X28	8 X 28 TRUNK DUCT END CAP	\$ 12.12
SMTS128X30	8 X 30 TRUNK DUCT END CAP	\$ 9.47
SMTS1210X25	10 X 25 TRUNK DUCT END CAP	\$ 9.27
SMTS1210X28	10 X 28 TRUNK DUCT END CAP	\$ 9.52



**Trunk Duct
Reducer**

Model #	Description	Trade
SMTS344	4 TRUNK REDUCER	\$ 7.94
SMTS346	6 TRUNK REDUCER	\$ 9.14
SMTS348	8 TRUNK REDUCER	\$ 10.38



**Trunk Duct
Reducer**

Model #	Description	Trade
SMTS3310X28T O8X28	10 X 28 TO 8 X 28 TRUNK REDUCER	\$ 53.03

**Panning and
Sheet Goods**

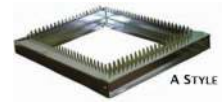
Model #	Description	Trade
SMTPAN	17 X 30 SHEET PANNING	\$ 4.01
SMTPAN3230	32 X 30 SHEET METAL PANNING	\$ 10.45
SMT3696SHEET	36 X 96 GA. FLAT SHEETS	\$ 35.90
SMT4896SHEET	48 X 96 GA. FLAT SHEETS	\$ 38.99

**Return Air
Filter Boots**



Model #	Description	Trade
SMT390-CARB	COLD AIR RETURN BOOT KIT 20X8	\$ 158.48
SMT390S (BACK ONLY)	20 X 8 TO 20 X 16 RETURN BOOT	\$ 97.00
SMT391-CARB	COLD AIR RETURN BOOT KIT 24X16-24X8	\$ 183.46
SMT391S (BACK ONLY)	24X8 TO 24X16 ROUND BACK TOP LOAD	\$ 85.78
SMT392-CARB (LESS FI)	25 X 10 TO 25X16 COLD AIR RETURN	\$ 184.50

**Filter
Frames**



Model #	Description	Trade
SMTCA201620SD	16 X 20 FILTER FRAME W/SNAP ON DOOR	\$22.44
SMTCA201625SD	16 X 25 FILTER FRAME W/SNAP ON DOOR	\$24.37
SMTCA202025SD	20 X 25 FILTER FRAME W/SNAP ON DOOR	\$29.17

**Furnace
Support
Box**



Model #	Description	Trade
SMTSUPBX10X25	18 X 28 - 25 X 10 SUPPORT BOX	\$ 127.65

**Thermo Non-Metal
panning**



Model #	Description	Trade
THE-16048	THERMOPAN 16 X 47-1/2 FIRE RATED NON-METAL priced per sheet (25 in box)	\$ 3.73
THE-16013-EA	THERMO-JOIST HEADER 16X12	\$ 2.39
THE-16348	16" CONNECTOR FOR THERMOPAN SHEETS	\$ 0.66

2019 EQUIPMENT CATALOG

ALBANY
(518) 465-3421 Fax 465-4644

SARATOGA SPRINGS
(518) 584-4499 Fax 584-2902

SCHENECTADY
(518) 374-2227 Fax 374-0260

45

Plenums Adjustable

Adjustable Plenums		2.15.19
Model #	Description	Trade
PLE20X20X36ADJ	PLENUM 20 X 20 X 36 ADJ	\$ 85.46
PLE24X24X36ADJ	PLENUM 24 X 24 X 36 ADJ	\$ 111.64

Plenums Fixed Size

Plenums		2.15.19
Model #	Description	Trade
PLE12DX17BX36	PLENUM 12-1/2 X 17-1/4 X 36 5-PC	\$ 56.14
PLE12DX19RX36	PLENUM 12-1/2 X 19-5/8 X 36 5-PC	\$ 68.01
PLE16DX19DX36	PLENUM 16-1/2 X 19-1/2 X 36 5-PCE	\$ 68.26
PLE16DX20X36	PLENUM 16-1/2 X 20 X 36 5-PC	\$ 76.63
PLE16X16RX36	PLENUM 16 X 16-5/8 X 36 5-PC	\$ 75.44
PLE16X19DX36	PLENUM 16 X 19-1/2 X 36 5-PCE	\$ 76.40
PLE16X19QX36	PLENUM 16 X 19-7/8 X 36 5-PC	\$ 76.40
PLE16X19RX36	PLENUM 16 X 19-5/8 X 36 5-PC	\$ 76.40
PLE17DX11X36	PLENUM 17 1/2 X 11 X 36 5-PC	\$ 55.95
PLE18DX17X36	PLENUM 18 1/2 X 17 X 36 5-PCS	\$ 75.44
PLE19DX19DX36	PLENUM 19-1/2 X 19-1/2 X 36 5-PC	\$ 85.46
PLE19DX19QX36	PLENUM 19-1/2 X 19-7/8 X 36 5-PC	\$ 85.46
PLE19DX19RX36	PLENUM 19-1/2 X 19-5/8 X 36 5-PC	\$ 85.46
PLE19EX23X36	PLENUM 19-7/8 X 23 X 36 5-PC	\$ 79.97
PLE19X16DX36	PLENUM 19 X 16-1/2 X 36 5-PCE	\$ 76.63
PLE20DX18RX36	PLENUM 20-1/2 X 18-5/8 X 36 5-PC	\$ 85.67
PLE20DX19X36	PLENUM 20-1/2 X 19 X 36 5-PCE	\$ 85.67
PLE20DX20X36	PLENUM 20-1/2 X 20 X 36 5-PC	\$ 85.67
PLE20X11X36	PLENUM 20 X 11 X 36 5-PC	\$ 84.70
PLE20X19X36	PLENUM 20 X 19 X 36 5-PC	\$ 85.46
PLE23DX19X36	PLENUM 23-1/2 X 19 X 36 5-PC	\$ 89.48
PLE23X19QX36	PLENUM 23 X 19-7/8 X 36 5-PC	\$ 79.97
PLE23X19RX36	PLENUM 23 X 19-5/8 X 36 5-PC	\$ 89.48

Plenums Connector

Plenum Connector		2.15.19
Model #	Description	Trade
PLESLRN-LABX	PLENUM CONNECTOR 1-3/4 X 3 X 1-3/4	\$ 210.88
PLESLRN-LAFT	PLENUM CON PER FOOT	\$ 2.63

Wall Stack

Wall Stack		6.18.18
Model #	Description	Trade
Stack Head		
SMW3023X10	3-1/4 X 10 WALL STACK HEAD W/6X10	\$ 8.72
SMW3023X14	3-1/4 X 14 STACK HEAD W/ 6 X 14	\$ 10.34
Elbows		
SMW3072X12	2-1/4 X 12 VERTICAL ELL	\$ 9.59
SMW3073X10	3-1/4 X 10 VERTICAL ELL WALL STACK	\$ 6.24
SMW3073X12	3-1/4 X 12 VERTICAL ELL	\$ 7.36
SMW3073X14	3-1/4 X 14 VERTICAL ELL	\$ 12.31
SMW5243X10	3-1/4 X 10 REVERSE ELL	\$ 20.10
SMW5253X10	3-1/4 X 10 HORIZONTAL 90 ELBOW	\$ 16.44
SMW5253X12	3-1/4 X 12 HORIZONTAL 90 ELBOW	\$ 17.21
Wall Stack Duct		
SMW3X10X2WS	3-1/4 X 10 X 2 FT WALL STACK	\$ 8.26
SMW3X10X5WS	3-1/4 X 10 X 5 FT WALL STACK	\$ 18.25
SMW3X12X2WS	3-1/4 X 12 X 2 FT WALL STACK	\$ 9.34
SMW3X12X5WS	3-1/4 X 12 X 5 FT WALL STACK	\$ 22.24
SMW3X14X2WS	3-1/4 X 14 X 2 FT WALL STACK	\$ 9.92
SMW3X14X5WS	3-1/4 X 14 X 5 FT WALL STACK	\$ 24.74
End Caps		
SMW5123X10	3-1/4 X 10 END CAP	\$ 5.08
SMW5123X12	3-1/4 X 12 END CAP	\$ 5.62
SMW5123X14	3-1/4 X 14 END CAP	\$ 6.41
Starting Collars		
SMW5203X10	3-1/4 X 10 STARTING COLLAR	\$ 7.80
SMW5203X12	3-1/4 X 12 STARTING COLLAR	\$ 8.57
Boots		
SMR5723X10X4	3-1/4 X 10 X 4 STRAIGHT BOOT	\$ 9.52
SMR5723X10X6	3-1/4 X 10 X 6 STRAIGHT BOOT TO	\$ 5.58
SMR5723X12X6	3-1/4 X 12 X 6 STRAIGHT BOOT TO	\$ 10.72
SMR5723X14X8	3-1/4 X 14 X 8 STRAIGHT BOOT	\$ 14.11
SMR5753X10X4	3-1/4 X 10 X 4 ANGLE BOOT TO WALL	\$ 10.02
SMR5753X10X6	3-1/4 X 10 X 6 ANGLE BOOT TO WALL	\$ 5.56
SMR5753X14X8	3-1/4 X 14 TO 8 ANGLE BOOT	\$ 14.11

Dryer Vent



Model #	Description	Trade
Aluminum Dryer Vent Pipe and Fittings		
DIV650-020	Dryer Duct Periscope 4" adjustable 17-28"	\$ 26.79
ALUMPIPE4X2	4 X 2FT ALUMINUM PIPE	\$ 9.09
LAMBRO302	4" X 8FT FLEX ALUM DUCT	6.89
ALUM90M	4 ALUMINUM 90	\$ 5.48
LAMBRO305	4" CLAMP FOR FLEX. ALUM. PIPE	\$ 0.55
LAMBRO244	4" CONNECTOR FOR FLEX. ALUM. PIPE	\$ 1.12
Vinyl Bath Vent		
LAMBRO2180	LAMBRO 4" X 20 LGH VINYL DRYER VENT HOSE	\$ 7.85
LAMBRO2190	LAMB 4"X50"LGH VINYL DRYER VENT HOSE	\$ 15.21
LAMBRO234	LAMBRO 4" DRYER VENT CLAMP ONLY	\$ 0.50
Roof Caps		
LAMBRO0116	LAMBRO ALUMINUM ROOF CAP W/DAMPER & SCREEN UP TO 7IN DIA.	\$ 20.52
*NUTONE845	NUTONE UP TO 10" ROOF CAP	\$ 19.03
Wall & Dryer Vent Caps & Kits		
LAMBRO106	LAMBRO 3-1/4 X 10 ALUM WALL CAP W/DAMPER	\$ 15.88
LAMBRO224B	LAMBRO 4" RD X 11" EXT WALL CAP BROWN	\$ 3.47
LAMBRO226W	LAMBRO 4" RD X 4" EXT. WALL CAP WHITE	\$ 4.33
LAMBRO2266B	LAMBRO 4" RD X 6" EXT WALL CAP BROWN	\$ 3.10
LAMBRO346	LAMBRO 6 ROUND INLET WALL CAP	\$ 19.02
LAMBRO344	LAMBRO ALUM DRYER VENT HOOD 4" Round X 10" long Extension	\$ 4.20
LAMBRO256	LAMBRO DRYER VENT KIT 4X8 HOSE/AL CAP ALUMINUM	\$ 9.00
LAMBRO266W	LAMBRO DRYER VENT KIT 4X8 HOSE/PL WHITE	\$ 7.47

Flex Duct



Model #	Description	Trade
R-4 Flex Duct		
10.27.19		
ANC4625-4	4 X 25 FT FLEX INSULATED DUCT	\$ 19.44
ANC4625-5	5 X 25 FT FLEX INSULATED DUCT	\$ 22.42
ANC4625-6	6 X 25FT FLEX INSULATED DUCT	\$ 25.32
ANC4625-7	7 X 25FT FLEX INSULATED DUCT	\$ 27.65
ANC4625-8	8 X 25 FT FLEX INSULATED DUCT	\$ 29.98
ANC4625-10	10 X 25 FT FLEX INSULATED DUCT	\$ 37.59
ANC4625-12	12 X 25 FT FLEX INSULATED DUCT	\$ 46.68
ANC4625-14	14 X 25 FT FLEX INSULATED DUCT	\$ 56.88
ANC4625-16	16 X 25 FT FLEX INSULATED DUCT	\$ 66.05
R-8 Flex Duct		
10.27.19		
ANC8088-6	6 X 25 FT R-8.0 INSULATED FLEX DUCT	\$ 36.89
ANC8088-7	7 X 25 FT R-8.0 INSULATED FLEX	\$ 44.59
ANC8088-8	8 X 25 FT R-8.0 INSULATED FLEX	\$ 45.30
Nylon Flex Duct Clamps and Accessories		
10.27.19		
L36-175	Duct Clamp up to 8" Flex	\$ 0.36
L48-175	Duct Clamp up to 14" Flex	\$ 0.66
DIV7-L300	Cable Tensioning tool	\$ 30.93
DIV-710-100	Duct hanging strap 1-3/4"x1,000 yd black	\$ 8.21

J&J Supply Side Registers & Grills J&J Return Side Registers & Grills

Model #	Description	CFM Max.	10.27.19 Trade
Floor Diffusers			
JJ800B2X10	2 X 10 BROWN FLOOR DIFFUSER	60	\$ 6.64
JJ800B2X12	2 X 12 BROWN FLOOR DIFFUSER	70	\$ 6.35
JJ800B2X14	2 X 14 BROWN FLOOR DIFFUSER	80	\$ 9.29
JJ800B4X8	4 X 8 MOBILE HOME FLOOR DIFFUSERBROWN	100	\$ 5.44
JJ800B4X10	4 X 10 BROWN FLOOR DIFFUSER	120	\$ 5.41
JJ800B4X12	4 X 12 BROWN FLOOR DIFFUSER	140	\$ 7.15
JJ800B4X14	4 X 14 BROWN FLOOR DIFFUSER	160	\$ 9.83
JJ830B6X14	6 X 14 BROWN FLOOR REGISTER	300	\$ 42.16
JJ830B12X14	12 X 14 BROWN FLOOR REGISTER	650	\$ 58.74
JJ800W2X10	2 X 10 WHITE FLOOR DIFFUSER	60	\$ 6.87
JJ800W2X12	2 X 12 WHITE FLOOR DIFFUSER	70	\$ 6.35
JJ800W2X14	2 X 14 WHITE FLOOR DIFFUSER	80	\$ 9.29
JJ800W4X10	4 X 10 WHITE FLOOR DIFFUSER	120	\$ 5.62
JJ800W4X12	4 X 12 WHITE FLOOR DIFFUSER	140	\$ 7.45
JJ800W4X14	4 X 14 WHITE FLOOR DIFFUSER	160	\$ 9.83
Baseboard Diffuser			
JJ470W18	18 WHITE BASEBOARD DIFFUSER	100	\$ 12.53
JJ471W18	18 WHITE BASEBOARD RETURN REGISTER	100	\$ 12.75
Sidewall Diffusers			
JJ632W10X4	10 X 4 WALL REGISTER WHITE 2 WAY	80	\$ 4.64
JJ602W10X6	10 X 6 SIDEWALL DIFFUSERS	130	\$ 7.87
JJ602W14X6	14 X 6 SIDEWALL DIFFUSERS	205	\$ 11.36
Round Ceiling Registers			
JJ150W6	6 WHITE CEILING DIFFUSER	160	\$ 10.46
JJ150W8	8 WHITE CEILING DIFFUSER	100	\$ 12.34
JJ150W10	10" ROUND WHT CEILING DIFFUSER	240	\$ 14.88
JJ155B6	6 BROWN CEILING DAMPER#155		\$ 16.80
JJ155B8	8 BROWN CEILING DAMPER		\$ 17.98
JJ155B10	10" ROUND CEILING DAMPER BROWN		\$ 23.30
Rezin Diffusers			
JJR2150	AMERIFLO 12" ROUND WHITE CEILINGDIFFUSER 6" - 7" - 8" COLLARS		\$ 33.45
JJR2163	AMERIFLO 12" WHITE CEILING3 WAY DIFFUSER		\$ 35.13
JJR2164	AMERIFLO 12IN 4-WAY WHITE CEILINGDIFFUSER 6 - 7 - 8 COLLARS INCLUDED		\$ 36.56
T-Bar Diffusers			
JJ1500WD24X24 NI	6 T-BAR CEILING DIFFUSER W/COLLARN/I	100	\$ 64.30
JJ1500WD24X24 NI	8 T BAR CEILING DIFFUSER W/COLLARN/I	160	\$ 56.30
JJ1235W24X24-12	24 X 24 T-BAR CEILING DIFFUSERwith 12" inlet	800	\$ 59.78
Dampe Inserts			
JJR226BRN	6 BUTTERFLY DAMPER FOR ROUNDNECKDIFFUSERS	100	\$ 14.51
JJR228BRN	8" BUTTERFLY DAMPERFOR ROUNDNECK DIFFUSERS	160	\$ 13.33
JJR2210BRN	10" BUTTERFLY DAMPER FOR ROUNDNECKDIFFUSERS	250	\$ 12.21

Model #	Description	CFM Max.	2.15.19 Trade
Wall Return Grills			
JJ63GHW10X6	10 X 6 WHITE RETURN AIR GRILLE	139	\$ 5.15
JJ63GHW12X10	12 X 10 WHITE RETURN AIR GRILLE	275	\$ 11.89
JJ63GHW14X6	14 X 6 WHITE RETURN AIR GRILLEFLAT	193	\$ 5.12
JJ63GHW16X16	16 X 16 WHITE RETURN AIR GRILLE	580	\$ 24.89
JJ63GHW20X10	20 X 10 WHITE RETURN AIR GRILLE	455	\$ 16.89
JJ63GHW20X16	20 X 16 WHITE RETURN AIR GRILLE	720	\$ 26.06
JJ63GHW20X20	20 X 20 WHITE RETURN AIR GRILLE	900	\$ 31.49
JJ63GHW20X6	20 X 6 WHITE RETURN AIR GRILLE	275	\$ 12.00
JJ63GHW24X24	24 X 24 WHITE RETURN AIR GRILLE	1290	\$ 47.78
JJ63GHW24X6	24 X 6 WHITE RETURN AIR GRILLE	329	\$ 9.72
JJ63GHW24X8	24 X 8 WHITE RETURN AIR GRILLE	437	\$ 14.70
JJ63GHW30X6	30 X 6 WHITE RETURN AIR GRILLE	410	\$ 11.72
JJ63GHW30X8	30 X 8 WHITE RETURN AIR GRILLE	544	\$ 15.68
Bumpout Return Grills			
JJ652W14X8	14 X 8 BASEBOARD BUMP OUT RETURNGRILL	360	\$ 20.75
JJ652W30X6	30 X 6 BASEBOARD BUMP OUT RETURNGRILL	560	\$ 25.70
JJ652W30X8	30 X 8 BASEBOARD BUMP OUT RETURNGRILL	660	\$ 33.97
Baseboard Return			
JJ671W14X6	14 X 6 WHITE BASEBOARD WALL RETURNGRILL	193	\$ 8.93
JJ671W30X6	30 X 6 WHITE BASEBOARD WALL RETURNGRILL	410	\$ 17.79
Floor Return Grill			
JJ825B4X14	4 X 14 BROWN FLOOR RETURN GRILLE	150	\$ 12.74
JJ825B6X14	6 X 14 BROWN FLOOR RETURN GRILL	255	\$ 14.32
JJ825B6X24	6 X 24 BROWN FLOOR RETURN GRILL	425	\$ 43.60
JJ825B10X14	14 X 10 BROWN FLOOR RETURN GRILL	425	\$ 33.33
JJ825B14X16	14 X 16 BROWN FLOOR RETURN GRILL	600	\$ 50.34
Filter Return Grills			
ACCA Recommended Filter face velocity 300 FPM - Grill only 500 FPM			
JJ60GHFFW12X12	12 X 12 FILTER RETURN GRILLE WHITE	200-325	\$ 14.85
JJ60GHFFW12X24	12 X 24 FILTER RETURN GRILLE WHITE	390-650	\$ 30.21
JJ60GHFF16X20	16 X 20 FILTER RETURN GRILLE WHT	430-875	\$ 21.34
JJ60GHFFW20X20	20 X 20 FILTER RETURN GRILLE WHITE	540-900	\$ 23.86
JJ60GHFFW20X30	20 X 30 FILTER RETURN GRILLE WHT	800-1340	\$ 70.76
Toe Space Grills			
JJ823W14X3	14 X 3 WHITE TOE SPACE REGISTER	120	\$ 15.23
JJ827B14X3	14 X 3 BROWN TOE SPACE GRILL	120	\$ 6.89
JJ827W14X3	14 X 3 WHITE TOE SPACE GRILL	120	\$ 6.89

REGISTERS & GRILLS

2019 EQUIPMENT CATALOG

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SCHENECTADY
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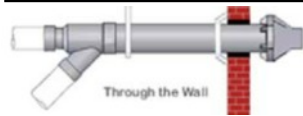
MISC HEATING

Condensate Pumps



Model#	Description	Trade
Little Giant		
VCM15UL	Little Giant condensate pump 15' lift 120 volt	\$ 50.59
VCM15ULS	Little Giant condensate pump w/safety lock out switch 15' head 120 volt	\$ 54.94
DiversiTech		
CP-16	DiversiTech condensate pump 16' lift 120 volt	\$ 52.22
CP-16-230	DiversiTech condensate pump 16' lift 230 volt	\$ 56.74
CP-22	DiversiTech condensate pump 22' lift 120 volt	\$ 56.65
CP-22LP	DiversiTech low profile 4-3/8" tall condensate pump 22' lift 120 volt	\$ 65.08
CVMINI	DiversiTech clearvue mini-split condensate pump system	\$ 144.16
BP-46-115V	High Temp boiler condensate pump 46' head	\$ 321.92

PVC Vent Termination Kits



Not recommended for modulating equipment low speed may cause flue gas re circulation



DiversiTech
 Hvent Series



IBC P741 Flat Oval
 Sidewall vent kit with
 accelerator

PVC Vent Termination Kits		Trade
Model #	Description	Price
Round Concentric Vent Kit		
10.27.19		
DIVCVENT-2	DiversiTech 2" concentric vent kit 3.5" OD	\$ 43.52
DIVCVENT-3	DiversiTech 3" concentric vent kit 4.5" OD	\$ 53.33
Flat Sidewall Vent Termination Kits		
DIVHVENT-2	2" PVC flat oval sidewall termination kit	\$ 33.20
DIVHVENT-3	3" PVC flat oval sidewall termination kit	\$ 33.20
IBC-Flat Sidewall PVC termination designed for HC & DC boilers		
IBC-P-741	2" PVC flat oval sidewall termination kit	\$ 34.30
IBC-P-742	3" PVC flat oval sidewall termination kit	\$ 34.30
IBC units have a built in accelerator designed to reduce chance of flue gas recirculation		

Humidifiers



Models 1042 LH Legacy Series Humidifier

- Model 1042 LH includes the M3 Select-Control Manual Humidistat.
- Model 1042 DME includes the E2 Digital Automatic Humidistat.
- A highly efficient flow-through unit that delivers 19.2 GPD.
- Replacement evaporator pad number 990-13.

Specifications

- Unit Size 15" wide x 11-1/2" high x 9" deep
- Plenum Opening 10-1/4" wide x 9-1/2" high
- Bypass Duct 6" diameter (polar supplied)



Model #	Description	Trade
Humidifiers & Parts		
10.27.19		
GEN-1042LH	GENERAL HUMIDIFIER 19 GPD FLOW THROUGH BY-PASS DRAIN	\$ 183.75
*GEN-5730	GENERAL ELITE 1000A AUTOMATIC 18GPD 6 120V POWER HUMIDIFIER	\$ 325.99
GEN-990-13	GENERAL EVAPORATOR PAD 1042LH HUMIDIFIER	\$ 13.57
GEN-791913	GENERAL EVAPORATOR GA19 Replacement Vapor Pad for 900A, 1000A, 900M,	\$ 9.04

GeneralAire Air Cleaners & Replacement Filters



MAC Side mount filter frame
 Goodman Furnace side cut dimension 14" H x 23"W



MAC-L Right Angle Filter Frame
 Duct connection 8" x 24"
 Frame top 25-3/4" x 15-1/2"

Air Cleaners & Filters		
GEN-MAC1400	1,400 CFM rated Air Cleaner/Filter Cabinet Side Air Intake w/filter 16"H x 25" W x 7" H (Filter 16x25x5 5FM1625)	\$ 91.59
GEN-MAC2000	2,000 CFM rated Air Cleaner/Filter Cabinet Side Air Intake w/filter 20"H x 25" W x 7" H (Filter 20x25x5 6FM2025)	\$ 91.59
GEN-MAC-L	2,000 CFM rated Air Cleaner/Filter Cabinet Top Air Intake w/filter 24-1/2"H x 15-1/2" W x 25-3/4" D (Filter 20x25x5 6FM2025)	\$ 173.57
GEN-5FM1625	16X25X5 REPLACEMENT AIR FILTER MERV 11	\$ 18.02
GEN-6FM2025	20X25X5 REPLACEMENT AIR FILTER MERV 11	\$ 21.48

Duravent Poly Pro Vent Pip

DUR-2PPS (Eclipse STOCK ON HAND)

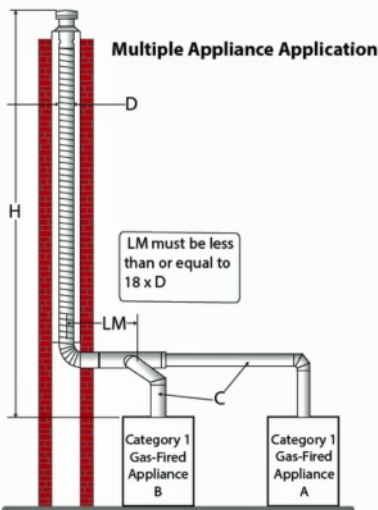
- High temperature polypropylene vent pipe
- Rated for use up to 230°F
- Recommended for Navien boilers and water heater running over 149°F



Black UV pipe and fitting for outdoor use		6.20.18
Model #	Description	Trade
DUR-2PPS-12B	DURAVENT 2 INCH X 12 POLYPRO PIPELENGTH UV BLACK	\$ 5.98
DUR-2PPS-12	DURAVENT 2 INCH X 12 POLYPRO PIPELENGTH UV BLACK	\$ 4.39
DUR-2PPS-36	DURAVENT 2 INCH X 36 POLYPRO PIPELENGTH	\$ 8.43
DUR-2PPS-72	DURAVENT 2 INCH X 72 POLYPRO PIPELENGTH	\$ 12.05
DUR-2PPS-AVL	DURAVENT 2 INCH X ADJUSTABLE PIPELENGTH	\$ 15.64
DUR-2PPS-E45	DURAVENT DURAVENT 2 INCH 45POLYPRO ELBOW	\$ 5.72
DUR-2PPS-E90	DURAVENT 2 INCH 90 POLYPRO ELBOW PolyPro	\$ 5.85
DUR-2PPS-E90B	DURAVENT 2 INCH 90 POLYPRO ELBOW UVBLACK	\$ 6.54
DUR-2PPS-LB	DURAVENT 2 INCH LOCKING BAND PolyPro	\$ 2.20

Aluminum Chimney Liner Systems for LP & NG Gas fired equipment

- Standard kit includes: Liner, flashing, jet cap, mortar guard & storm collar.
- Add single or double wall connector and starter cone in needed

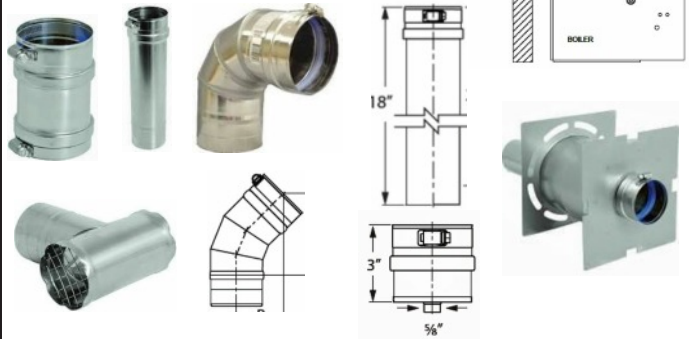
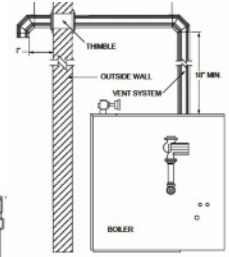


Aluminum Chimney Liners and Accessories			2.19.19
Model #	Description		Trade
AJ4FSK35	AIRJET 4 X 35FT ALUM CHIMNEY LINER		\$ 163.80
AJ5FJB	AIRJET 5 FLEXJET TO B VENT		\$ 18.33
AJ5FJS	AIRJET 5 FLEXJET SNGL WALL		\$ 8.19
AJ5FSK35	AIRJET 5 X 35 FT ALUM CHIM LINER		\$ 188.13
AJ6FJB	AIRJET 6 FLEXJET TO B VENT		\$ 21.15
AJ6FJS	AIRJET 6 FLEXJET SNGL WALL		\$ 8.65
AJ6FMG	AIRJET FLEXJET MORTAR GUARD		\$ 13.45
AJ6FS	AIRJET 6 STARTER CONE		\$ 23.29
AJ6FSK35	AIRJET 6 X 35 FT ALUM CHIM LINER		\$ 217.90

DuraVent FastNSeal Stainless Steel Vent Pipe

Member of M&G Group

Stainless steel venting for Direct Vent, Power Vent and Condensing gas fired equipment



Venting Materials

Item#	Description	Price
3" S/S for Smith GVX & Slant Fin Boilers 10.27.19		
PROFSA-SMITH-3	3" Smith Aapter for GVX Boilers	\$30.55
PRO-FSX-HFA3	3" Slant Fin VHSII Adapt	\$27.88
PROFSTT3	3" s/s Termination Tee	\$45.37
PROFSWT3	3" Wall thimble w/18" pipe	\$70.29
PROFSEL4503	3" s/s vent 45	\$49.92
PROFSELB9003	3" s/s vent 90	\$58.65
PROFSAVL3	3" adjustable length	\$58.18
PROFSVL1203	3" x 1' s/s vent connector pipe	\$22.12
PROFSVL2403	3" x 2' s/s vent connector pipe	\$41.38
PROFSVL3603	3" x 3' s/s vent connector pipe	\$51.57
PROFST3	3" s/s Tee	\$38.11
PROFSDF3	3" Drain Fittings	\$27.90
4" S/S for Smith GV Boilers		
PROFSA-SMITH-4	4" Smith Aapter for GV Boilers	\$61.92
PROFSAAU4	4" Universal Adapt	\$28.36
PROFSEL4504	4" s/s vent 45	\$52.48
PROFSEL9004	4" s/s vent 90	\$61.60
PROFSTT4	4" s/s Termination Tee	\$48.49
PROFSAVL4	4" adjustable length	\$45.02
PROFSVL1204	4" x 1' s/s vent connector pipe	\$26.02
PROFSVL2404	4" x 2' s/s vent connector pipe	\$45.02
PROFSVL3604	4" x 3' s/s vent connector pipe	\$58.29
PROFSWT4	4" x s/s Thimble w/18" pipe	\$81.37
*PROFSHDT4	4" s/s Horizontal drip tee	\$50.50

"B" Gas Venting Systems 3"-14"

CHIMNEY VENTING



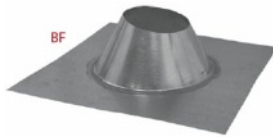
90° Adjustable Elbow can be used as an offset



45° Elbow



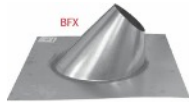
Adjustable Length



BF Adjustable roof flashing 1/12 to 6/12



Tall Cone - flat roof flashing



Steep pitch flashing 7/12 to 12/12



B-Vent Pipe



Roof Jet Cap



Fire Stop



Base Assembly mounts in basement joist



Draft Hood connector Alum. Extension can be formed to fit an oval draft hoods

3" B-Vent 2.19.19		
Model #	Description	Trade
AJG3-45	AIRJET 3 TYPE 'B' 45	\$ 12.30
AJG3-90	AIRJET 3 TYPE 'B' 90	\$ 19.95
AJG3AR1/2	AIRJET 3 TYPE 'B' 6 ADJ LENGTH	\$ 8.35
AJG3BF	AIRJET 3 TYPE 'B' ADJ. ROOF FLANGE	\$ 8.71
AJG3BFT	AIRJET 3 TYPE 'B' TALL CONE	\$ 19.09
AJG3DHC	AIRJET 3 TYPE 'B' DRAFT HOOD CONN.	\$ 6.38
AJG3G1	AIRJET 3 X 1 FT TYPE 'B' GAS PIPE	\$ 6.74
AJG3G2	AIRJET 3 X 2 FT TYPE 'B' GAS PIPE	\$ 10.87
AJG3G3	AIRJET 3 X 3 FT TYPE 'B' GAS PIPE	\$ 14.48
AJG3G5	AIRJET 3 X 5 FT TYPE 'B' GAS PIPE	\$ 22.84
AJG3JC	AIRJET 3 TYPE 'B' JET CAP	\$ 9.75
AJG3SC	AIRJET 3 TYPE 'B' STORM COLLAR	\$ 2.37
AJG3X6DWIN	AIRJET 3 X 6 IN TYPE 'B' INCREASER	\$ 15.72
4" B-Vent 2.19.19		
AJG4-60	AIRJET 4 TYPE 'B' 30 TO 60 DEGREE	\$ 14.25
AJG4-90	AIRJET 4 B-VENT 90	\$ 23.96
AJG4AR1	AIRJET 4 TYPE 'B' 1 FT ADJ LENGTH	\$ 11.90
AJG4AR1/2	AIRJET 4 TYPE 'B' 6 IN ADJ LENGTH	\$ 10.03
AJG4BA	AIRJET 4 TYPE 'B' BASE ASSEMBLY	\$ 13.29
AJG4BF	AIRJET 4 TYPE 'B' ADJ FLASHING	\$ 9.14
AJG4BFT	AIRJET 4 TYPE 'B' TALL CONE	\$ 18.48
AJG4BFX	AIRJET 4 TYPE 'B' HIGH PITCH	\$ 19.34
AJG4DHC	AIRJET 4 TYPE 'B' DRAFT HOOD CONN	\$ 7.98
AJG4G1	AIRJET 4 X 1 FT TYPE 'B' GAS PIPE	\$ 8.19
AJG4G2	AIRJET 4 X 2 FT TYPE 'B' GAS PIPE	\$ 13.44
AJG4G3	AIRJET 4 X 3 FT TYPE 'B' GAS PIPE	\$ 18.20
AJG4G5	AIRJET 4 X 5 FT TYPE 'B' GAS PIPE	\$ 27.85
AJG4GF	AIRJET 4 TYPE 'B' FIRESTOP	\$ 4.11
AJG4JC	AIRJET 4 TYPE 'B' JET CAP	\$ 11.37
AJG4RT	AIRJET 4 TYPE 'B' TEE	\$ 28.26
AJG4SC	AIRJET 4 TYPE 'B' STORM COLLAR	\$ 2.75
5" B-Vent 2.19.19		
AJG5-45	AIRJET 5 TYPE 'B' 45	\$ 28.06
AJG5-90	AIRJET 5 TYPE 'B' 90	\$ 28.06
AJG5AR1/2	AIRJET 5 TYPE 'B' ADJ LENGTH	\$ 12.01
AJG5BA	AIRJET 5 TYPE 'B' BASE ASSEMBLY	\$ 13.21
AJG5BF	AIRJET 5 TYPE 'B' ADJ ROOF FLASHING	\$ 12.87
AJG5BFT	AIRJET 5 TYPE 'B' TALL CONE	\$ 20.71
AJG5BFX	AIRJET 5 TYPE 'B' STEEP PITCH ROOF	\$ 29.63
AJG5G1	AIRJET 5 X 1 FT TYPE 'B' GAS PIPE	\$ 10.38
AJG5G2	AIRJET 5 X 2 FT TYPE 'B' GAS PIPE	\$ 16.75
AJG5G3	AIRJET 5 X 3 FT TYPE 'B' GAS PIPE	\$ 20.52
AJG5G5	AIRJET 5 X 5 FT TYPE 'B' GAS PIPE	\$ 31.91
AJG5GF	AIRJET 5 TYPE 'B' FIRESTOP	\$ 4.19
AJG5JC	AIRJET 5 TYPE 'B' JET CAP	\$ 15.67
AJG5RT	AIRJET 5 TYPE 'B' TEE	\$ 30.28
AJG5RTC	AIRJET 5 TYPE 'B' TEE CAP	\$ 2.99
AJG5SC	AIRJET 5 TYPE 'B' STORM COLLAR	\$ 4.31
AJG5VT	AIRJET 5 TYPE 'B' WALL THIMBLE	\$ 20.63

6" B-Vent 2.19.19		
Model #	Description	Trade
AJG6-60	AIRJET 6 TYPE 'B' 30 TO 60	\$ 20.38
AJG6-90	AIRJET 6 TYPE 'B' 90	\$ 32.48
AJG6BA	AIRJET 6 TYPE 'B' BASE ASSEMBLY	\$ 13.21
AJG6BF	AIRJET 6 TYPE 'B' ADJ ROOF FLASHING	\$ 17.03
AJG6BFT	AIRJET 6 TYPE 'B' TALL CONE	\$ 25.85
AJG6BFX	AIRJET 6 TYPE 'B' STEEP ROOF	\$ 29.63
AJG6DHC	AIRJET 6 TYPE 'B' DRAFT HOOD CONN	\$ 8.99
AJG6G1	AIRJET 6 X 1 FT TYPE 'B' GAS PIPE	\$ 11.68
AJG6G2	AIRJET 6 X 2 FT TYPE 'B' GAS PIPE	\$ 19.69
AJG6G3	AIRJET 6 X 3 FT TYPE 'B' GAS PIPE	\$ 25.48
AJG6G5	AIRJET 6 X 5 FT TYPE 'B' GAS PIPE	\$ 37.64
AJG6GF	AIRJET 6 TYPE 'B' FIRESTOP	\$ 4.18
AJG6JC	AIRJET 6 TYPE 'B' JET CAP	\$ 19.95
AJG6RT	AIRJET 6 TYPE 'B' TEE	\$ 38.17
AJG6RTC	AIRJET 6 TYPE 'B' TEE CAP	\$ 2.99
AJG6SC	AIRJET 6 TYPE 'B' STORM COLLAR	\$ 4.83
AJG6X8DW	AIRJET 6 TYPE 'B' DW INCREASER	\$ 19.36
7" B-Vent 2.19.19		
AJG7-45	AIRJET 7 TYPE 'B' 45	\$ 27.62
AJG7-90	AIRJET 7 TYPE 'B' 90	\$ 46.35
AJG7AR1	AIRJET 7 TYPE 'B' 1 FT ADJ LENGTH	\$ 19.23
AJG7AR1/2	AIRJET 7 TYPE 'B' 6 IN ADJ LENGTH	\$ 16.73
AJG7BA	AIRJET 7 TYPE 'B' BASE ASSEMBLY	\$ 15.85
AJG7BF	AIRJET 7 TYPE 'B' ADJ ROOF FLASHING	\$ 23.25
AJG7BFT	AIRJET 7 TYPE 'B' TALL CONE	\$ 28.18
AJG7DHC	AIRJET 7 TYPE 'B' DRAFT HOOD CONN	\$ 13.11
AJG7G1	AIRJET 7 X 1 FT TYPE 'B' GAS PIPE	\$ 15.00
AJG7G2	AIRJET 7 X 2 FT TYPE 'B' GAS PIPE	\$ 27.24
AJG7G3	AIRJET 7 X 3 FT TYPE 'B' GAS PIPE	\$ 35.52
AJG7G5	AIRJET 7 X 5 FT TYPE 'B' GAS PIPE	\$ 55.31
AJG7GF	AIRJET 7 TYPE 'B' FIRESTOP	\$ 4.14
AJG7JC	AIRJET 7 TYPE 'B' JET CAP	\$ 27.51
AJG7RT	AIRJET 7 TYPE 'B' TEE	\$ 45.21
AJG7RTC	AIRJET 7 TYPE 'B' TEE CAP	\$ 4.99
AJG7SC	AIRJET 7 TYPE 'B' STORM COLLAR	\$ 5.57
8" B-Vent 2.19.19		
AJG8-60	AIRJET 8 TYPE 'B' 60 ADJUSTABLE	\$ 31.45
AJG8-90	AIRJET 8 TYPE 'B' 90	\$ 54.24
AJG8AR1/2	AIRJET 8 TYPE 'B' 6 IN ADJ LENGTH	\$ 19.81
AJG8BA	AIRJET 8 TYPE 'B' BASE ASSEMBLY	\$ 16.41
AJG8BF	AIRJET 8 TYPE 'B' ADJ ROOF FLASHING	\$ 23.47
AJG8BFT	AIRJET 8 TYPE 'B' TALL CONE	\$ 29.71
AJG8DHC	AIRJET 8 TYPE 'B' DRAFT HOOD CONN	\$ 12.75
AJG8G1	AIRJET 8 X 1 FT TYPE 'B' GAS PIPE	\$ 18.43
AJG8G2	AIRJET 8 X 2 FT TYPE 'B' GAS PIPE	\$ 32.35
AJG8G3	AIRJET 8 X 3 FT TYPE 'B' GAS PIPE	\$ 42.51
AJG8G4	AIRJET 8 X 4 FT TYPE 'B' GAS PIPE	\$ 51.19
AJG8GF	AIRJET 8 TYPE 'B' FIRESTOP	\$ 4.16
AJG8JC	AIRJET 8 TYPE 'B' JET CAP	\$ 34.29
AJG8RT	AIRJET 8 TYPE 'B' TEE	\$ 52.36
AJG8RTC	AIRJET 8 TYPE 'B' TEE CAP	\$ 5.54
AJG8SC	AIRJET 8 TYPE 'B' STORM COLLAR	\$ 5.90
AJG8VT	AIRJET 8 TYPE 'B' WALL THIMBLE	\$ 37.17

10" B-Vent 2.19.19		
Model #	Description	Trade
AJG10-45	AIRJET 10 TYPE 'B' 45	\$ 75.70
AJG10AR1	AIRJET TYPE 'B' 10" 1' ADJ LENGTH	\$ 44.77
AJG10BA	AIRJET 10 TYPE 'B' BASE ASSEMBLY	\$ 30.53
AJG10BF	AIRJET 10 TYPE 'B' ADJ ROOF	\$ 44.28
AJG10BFT	AIRJET 10 TYPE 'B' TALL CONE	\$ 45.34
AJG10G2	AIRJET 10 X 2 FT TYPE 'B' GAS PIPE	\$ 65.71
AJG10G3	AIRJET 10 X 3 FT TYPE 'B' GAS PIPE	\$ 80.63
AJG10G4	AIRJET 10 X 4 FT TYPE 'B' GAS PIPE	\$ 103.69
AJG10JC	AIRJET 10 TYPE 'B' GAS JET CAP	\$ 92.50
AJG10RT	AIRJET 10 TYPE 'B' TEE	\$ 135.20
AJG10RTC	AIRJET 10 TYPE 'B' TEE CAP	\$ 11.98
AJG10SC	AIRJET 10 TYPE 'B' STORM COLLAR	\$ 14.22
12" B-Vent 2.19.19		
AJG12-45	AIRJET 12 TYPE 'B' 45	\$ 95.94
AJG12AR1	AIRJET 12 TYPE 'B' 12" ADJ. LENGTH	\$ 57.99
AJG12BA	AIRJET 12 TYPE 'B' BASE ASSEMBLY	\$ 37.50
AJG12BF	AIRJET 12 TYPE 'B' ADJ ROOF	\$ 45.14
AJG12BFT	AIRJET 12 TYPE 'B' TALL CONE	\$ 52.92
AJG12G2	AIRJET 12 X 2 FT TYPE 'B' GAS PIPE	\$ 94.17
AJG12G3	AIRJET 12 X 3 FT TYPE 'B' GAS PIPE	\$ 116.69
AJG12GF	AIRJET 12 TYPE 'B' FIRESTOP	\$ 16.37
AJG12JC	AIRJET 12 TYPE 'B' JET CAP	\$ 113.96
AJG12SC	AIRJET 12 TYPE 'B' STORM COLLAR	\$ 15.14
14" B-Vent 2.19.19		
AJG14AR1/2	AIRJET 14 TYPE 'B' 18 ADJ LENGTH	\$ 196.97
AJG14BA	AIRJET 14 TYPE 'B' BASE ASSEMBLY	\$ 230.79
AJG14BF	AIRJET 14 TYPE 'B' ADJ ROOF FLANGE	\$ 109.62
AJG14G2	AIRJET 14 X 2 FT TYPE 'B' GAS PIPE	\$ 194.19
AJG14G3	AIRJET 14 X 3 FT TYPE 'B' GAS PIPE	\$ 249.06
AJG14JC	AIRJET 14 TYPE 'B' JET CAP	\$ 340.85
AJG14SC	AIRJET 14 TYPE 'B' STORM COLLAR	\$ 48.48

New York State Building Code Change Mandated October 3, 2016

N1103.6 Mechanical Ventilation: Mandatory – The building shall be provided with ventilation that meets IRC or IMC or other approved means of ventilation. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.

ICC 2015 IRC New York State Ventilation Code Requirements					
N1103.6 Mechanical Ventilation Requirements					
Floor	Number of Bedrooms				
Area in Sq. Ft	0-1	2-3	4-5	6-7	>7
<1500	30	45	60	75	90
1501-3000	45	60	75	90	105
3001-4500	60	75	90	105	120
4501-6000	75	90	105	120	135
6001-7500	90	105	120	135	150
>7500	105	120	135	150	165

Intermittent Whole-House Mechanical Ventilation Rate Factors						
Run-Tim Percentage in each 4-Hour Segment	25%	33%	50%	66%	75%	100%
Factor	4	3	2	1.5	1.3	1
Table M1507.4 Minimum Required Local Exhaust Rates for						
One and Two Family Dwellings						
Kitchens	100 CFM intermittent or 25 cfm continuous					
Bathrooms Toilet Rooms	Mechanical exhaust capacity of 50 CFM intermittent or 20 CFM continuous					

Three Ways of meeting this new requirement

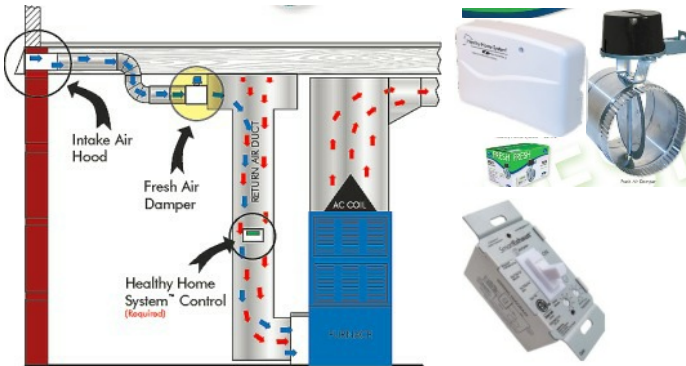
1. Negative Pressure Exhaust Only Fan (Not So Good) Constant duty bath fan just suck air in from anywhere)

Panasonic Bath Fan with timer control



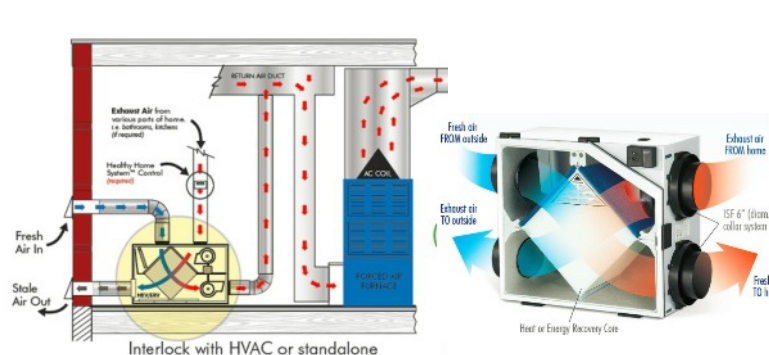
Panasonic Bath Fan with Light, constant duty, can be used for new home ventilation requirement					
Model #	CFM	Type	Description	Dimension	Trade
PAN-FV-0511VQL1	50-80-110	ECM Motor, LED Light	Brushless ECM motor, UL Listed for tub/shower w/GFCI, 4" or 6" duct adapter, 6 year warranty, 2x8 construction	R/I-10-1/4"x10-1/4"x7-3/8"H cover 13x13	\$ 224.29
FLD-SEC	Field Smart Exhaust bath fan switch with ventilation timer for nw home fresh air				\$ 94.49

2. Positive Pressure Central Fan Integrated Ventilation (Better System)



Field Fresh Air Controls				Trade	
				Add for shipping to below 2/19/19	
FAVC	Fresh Air Ventilation control w/Enthalpy & Temp Sensor			\$ 133.29	
SEC	Smart Exhaust Control (Programmable) for bath fans			\$ 94.49	
Field Fresh Air systems: FAVC control and FAD		CFM Range	Aprox Sq.Ft	Trade	
FAV-5	5" Fresh Air Ventilation system w/FAVC & FAD		68-117	2,000	\$ 228.12
FAV-6	6" Fresh Air Ventilation system w/FAVC & FAD		98-157	3000	\$ 228.12
*FAV-7	7" Fresh Air Ventilation system w/FAVC & FAD		157-266	4000	\$ 252.09
CFM Range: See I/O for sizing chart based on length of run and type of duct (smooth or flex)					

3. Balanced Ventilation with Heat (HRV) or Energy (heat + humidity ERV) Recovery (Best Systems)



Field Heat Recover Ventilation		2,19.19
Heat Recovery Ventilators		Trade
FC80HRV	80 CFM Heat Recovery Ventilator	\$ 717.18
FC150HRV	150 CFM Heat Recovery Ventilator	\$ 869.40
FC200HRV	200 CFM Heat Recovery Ventilator	\$ 1,023.04
Timer control		
FAVC	Fresh Air Ventilation control w/Enthalpy & Temp Sensor	\$ 125.69
De-Humidity Controls		
RD1	Residential basic Analog De-Humidistat Control	\$ 41.83
RD4P	Residential Deluxe Analog De-humidistat control with speed control, mode, cycle counter,	\$ 114.59
EHC1	Basic Digital Ventilation control	\$ 67.97
EHC1.5	Delux Digital Ventilation control	\$ 120.25
Wall Caps		
LAMBRO346	6" ROUND INLET WALL CAP	\$ 19.02

2019 EQUIPMENT CATALOG

ALBANY
(518) 465-3421 Fax 465-4644

SARATOGA SPRINGS
(518) 584-4499 Fax 584-2902

SCHENECTADY
(518) 374-2227 Fax 374-0260



FIELD CONTROLS

Visit us on the web at: www.capitoldistrictsupply.com
or email us at: orders@capitoldistrictsupply.com



Draft Controls for Oil



Field Oil Draft Controls			10.28.19
Model #	Size	Trade	
FLD5RC	5"	\$ 37.19	
FLD6RC	6"	\$ 39.88	
FLD7RC	7"	\$ 49.05	
FLD8RC	8"	\$ 67.91	

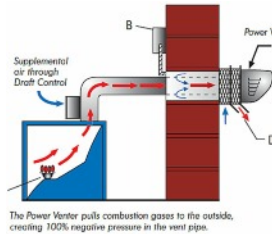
Draft Controls for GAS



Field Gas Draft Controls			10.28.19
Model #	Size	Trade	
FLD6MG1	6"	\$ 87.43	
*FLD7MG1	7"	\$ 93.44	
*FLD9MG	9"	\$ 135.72	

Used with Wayne gas power burners when converting oil to gas

Power Venting Systems



- Side wall venting for conventional gas and oil heating appliances, one or multiple appliances
- 100% negative pressure in vent pipe for maximum safety
- Standard galvanized pipe saves time and money
- No need to seal vent pipe

Model #	Description	Trade
Power Venter		
10.28.19		
*FLDSWG-4HD-SS	4" Stainless Power Venter w/tube	\$527.73
*FLDSWG-5S	5" Stainless Power Venter w/tube	\$670.89
Power Venter Control Kits		
*FLDCK20FV	Gas LP or N/G Water Heater 30-millivolt control kit	\$205.80
*FLDCK41F	24 volt gas furnace/boiler control	\$201.23
*FLDCK63	120V oil Replaces CK 61 & 62	\$352.19
Power Venter Parts		
FLDGSK3	Gas spillage switch	\$34.17
FLDZ46131501	Motor assembly for SWG4	\$228.78
FLDZ46234800	Motor assembly SWGII-4HD	\$240.70
FLDZ46234900	Motor assembly SWGII-5	\$375.44
FLDSWGLUBE	SWG Super Lube	\$24.98



SWG Super Lube

- Oil motor and fan shaft with SWG Super Lube annually
- Works in conditions of -40° to 300° (F)
- Synthetic lubricant which maintains specified viscosity
- Use of any other lubricant may cause premature failure

Power Vent Sizing Chart

Table 1

MODEL	Sizing The Venter (Use Maximum BTU or GPH Input)		MAX** GAS BTU/hr. INPUT	Maximum Equivalent Feet of Vent Pipe		VENT PIPE SIZE
	MAX* OIL GPH INPUT 100psi	MAX* OIL GPH INPUT 140psi		AT MAX BTU/hr. INPUT	AT 60% OF MAX BTU/hr. INPUT	
	SWG-3	N/A		N/A	70,000	
SWG-4HD, 4HDs, CV-4	1.10	.90	170,000	50	100	4"
				35	100	4"
				65	100	5"
				100	100	6"
				100	100	7"
SWG-5, 5s, CV-5	1.85	1.55	290,000	16	44	4"
				51	100	5"
				95	100	6"
				100	100	7"
SWG-6, 6s	2.65	2.25	416,000	28	78	5"
				68	100	6"
				100	100	7"

Up to 14" 17 GPH, 3,000,000 BTU/hr available call for details

Air Duct Booster



Designed for 6" ducts or larger, can increase air flow up to 220 CFM, 120v .6 amps

Model #	Size	Trade
FLDAB-2	6" +	\$ 36.99

Clear Wave Salt Free Electronic Water Conditioner



Chemical and salt free water conditioner uses electron-magnet waves to treat the entire water system in your home helping to prevent and reduce hard water problems
Works on all types of pipes required 120 Volt

Model #	Description	Trade
*FLD-CW-125	Salt free water conditioner	\$ 180.92

Combustible Air Systems

CAS-6 Combustion air for mechanical rooms

- Oil 3-6 GPH
- GAS Btu/hr 420-900,000

Call for heat turns fan on first to bring in combustion air once proven equipment can fire.



Call for pricing stock on hand

Vent Hood



Designed for standard vent pipe and Class B type double-wall (B-Vent) connection. Provides proper clearance between flue gas

Model #	Description	Trade
*FLDSWH-3	3" VENT HOOD	\$ 99.41
*FLDSWH-4	4" VENT HOOD	\$ 132.96
*FLDSWH-6	6" VENT HOOD	\$ 151.29

2019 EQUIPMENT CATALOG

ALBANY
(518) 465-3421 Fax 465-4644

SARATOGA SPRINGS
(518) 584-4499 Fax 584-2902

SCHENECTADY
(518) 374-2227 Fax 374-0260

53

Oil Tanks & Accessories



Oil Tanks

- Quality material, easy to install
- Every tank undergoes an external pressurized phosphate wash treatment and is then coated with an application of black enamel for total protection.

Oil Tank Package

Includes: 12 g 275 gal oil tank, 2" fill, 1-1/4" vent, angle fireomatic oil valve, oil filter, fill and vent cap, alarm, legs and pipe and fitting allowance

\$1,010 Material only estimate does not include black pipe threading or installation

Model #	Gallons	Type	Dimension W/H/L	Gauge	Weight LBS	Fill	Vent	Gauge Outlet	Outlet	Trade
OILTNK27512V	275	Vertical	24x44x60	12	280	2"	2"	2"	1/2"	\$ 641.20
OILTNK275H	275	Horizontal	44x27x60	12	280	2"	2"	2"	1/2"	\$ 647.80



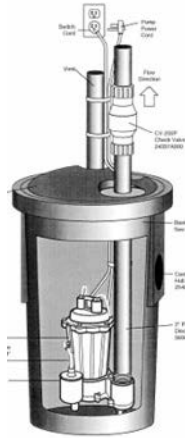
Oil Tank Accessories		2.19.19
Model #	Description	Trade
NIPBLKG10TL	Tank Legs 1-1/4" x 10" threaded one end	\$ 5.65
Slip on Vent Caps w/set screw		
OEM4006	1" Slip on vent cap	\$2.99
OEM4037	1-1/4" Slip on vent cap	\$2.68
Mushroom Thread On Vent Caps		
WAL1741002	1-1/4" Mushroom vent cap	\$7.41
WAL1741004	2" Mushroom vent cap	\$12.68
Fill Caps & Boxes		
OEM3100G	2" speedfill cap w/gasket	\$ 4.71
OEM3420	2" speedfill 45 degree Female	\$ 8.53
OEM4171	2" iron hinge fill box	\$11.70
*OEM4182	2" flush type fill box	\$19.01
*OEM4365	2" way fill box key	\$5.06
*OEM4173	3" female thread fill box	\$26.39
*OEM4174	4" female thread fill box	\$36.35
Duplex Tank Bushings		
OEM4468	2" x 3/8" duplex tank bushing WR 1744002	\$14.37
OEM4470	2" x 1/2" duplex tank bushing	\$14.19
Tank Gauge		
OEM4504	1-1/2" or 2" Vertical Gauge dual thread	\$ 18.26
*OEM4537	2" X 1-1/4" Horizontal Gauge w/fill & Alarm	\$28.14
OEM4526	2" x 2" Vertical Gauge w/Fill & Alarm	\$32.45
Fill Alarms		
OEM4517	2" x 2" Fill Alarms	\$29.88
OEM4552	1-1/4" Vent alarm compression	\$38.10
Firomatic Oil Valves & Fittings		
141TF	1/2" X 3/8" angle tank valve	\$37.83
B100F	3/8" x 3/8" IP oil valve	\$19.13
B100HCV	3/8" x 3/8" Check Valve IP	\$19.19
B105F	3/8" OD Flare oil valve	\$25.73
Mitco Oil Filters		
MIT264C	Oil Filter Complete (=Gen 1A25A)	\$16.66
MIT264E	Replacement element for 264C & Gen 1A25A	\$1.60
MIT264-90M	Spin Oil Filter Completer	\$30.24
MIT264-91M	Replacement spin on oil filter	\$9.19
MIT265-12AM	Replacement element for Gen 2A-700	\$3.17
MIT250E	Replacement element for Ful-flo	\$2.01
MIT-BLK110-M	Black gloves medium	\$ 12.85
MIT-BLK120-L	Black gloves large	\$ 12.85
MIT-BLK130-XL	Black gloves xtra larger	\$ 12.85

Myers SEWAGE EJECTOR SYSTEM

Packaged Simplex Sewage System

- 1/2 hp, 115V, 12 Amps sewage pump thermoplastic volute case
- Piggy-back mechanical switch for maximum draw-down.
- Includes: discharge pipe and check valve
- 2" discharge 2" or 3" vent flange
- 4" compression type inlet

Tank Dimensions: 21-3/4" Diameter Wide at top, 30-1/8" Tall, Inlet 4" Diameter 19" on center from bottom of tank



Total Lift (Feet)	5	10	15	19
Gallons Per Minute	85	60	27	0

Model #	Description	Trade
MYECMV1830	Sewager Ejector System	\$ 386.28
MYECMV5A-11	Replacement Pump	\$ 294.17

Zoeller Self Priming Portable Utility Pump

- Cast iron pump housing
- 20' power cord on/off switch on motor housing
- 3/4" garden hose adapters and suction screen, extra brushes included
- Max temp 120°F
- 1 year limited warranty
- up to 1,200 GPH flow and maximum total dynamic head of 100Ft



ZOE314..... \$247.55

Liberty Water Powered Back-Up Sump Pump

- 20-1,000 PSI working pressure
- 1-1/2" Discharge 3/4" Shark-bite inlet
- Removes 2 gallons with 1 gal. used (5' lift)
- 21.6" Height, 5.1" wide 3.5lbs
- Build in check valve on water inlet
- 3 Year Warranty



LIB-SJ10\$206.42

Liberty SJ10 Pump Curve Pressure-Lift-GPM

Lift>	4	8	12	15
20 PSI	11	5.8	-	-
40 PSI	15.4	12.5	9.3	7.2
60 PSI	19.8	17	15.2	13.5

Sump Pump Basin

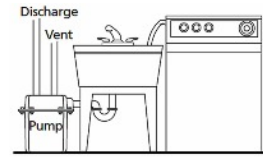
18"x22" Heavy Duty Polyethylene

ZOE31-0444 Basin.....\$30.75
ZOE17-0135 Lid.....\$24.60



Sink Pump Systems

for Laundry tray, washing machines, wet bars, water softeners, dehumidifiers



Myers Sink-Laundry Pump System

- Under sink self-contained, gas tight sealed power cord
- Solids handling -3/16" Lift up to 24',
- 1-1/2" Inlet & discharge, 2" vent opening, 8' power cord
- 16" high, 14-1/2" diameter
- 3 Year Warranty



MYE-ED-MS33\$259.90

Total Lift Ft	5	10	15	20
GPM	50	40	30	20

Liberty Sink-Laundry Tray Pump

Short profile drain pump for gray waste water removal

- 1/3 HP 115V 5.A 10' Cord
- 1-1/2" Inlet, Vent & Discharge
- 11" tall x 13-3/4" Wide
- 3/8" Solids Handling
- Laundry, Mop, Bar sink, water softener, any gray water application
- Top switch access cover
- 3 Year Warranty



Total Lift Ft	5'	10'	15'	20'
GPM	30	24	15	3

Model # LIB- 404\$273.36

Sta-Rite Mercury Float Switch

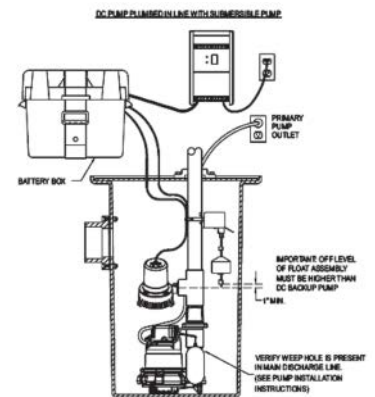
Piggy back plug in Float Switch Contacts Normally open contact



Model # STAPW217-179B\$88.74

THE BASEMENT SENTRY

- 12 Volt backup sump pump system for when power fails
- Battery recharger maintains constant battery charge
- Control includes Power on Light, and Pump Alarm
- 12 Volt Pump, Recharger, Battery Case and float switch included
- Battery or primary 120 volt sump pump are not included



Model # ZOE-507 BASEMENT SENTRY 1 \$354.21
Model # *ZOE-10-1450 GEL BATTERY \$319.54

DRAINAGE PUMPS

Liberty Ascent II RSQ

- Kit includes round or elongated front std. white toilet w/seat
- Insulated tank eliminates sweating
- 1/2 HP 115V 7.9 A 8' 18-3 Cord
- 1" discharge with check valve, can be reduced to 3/4"
- 1-1/2 or 2" side Inlets on both sides
- Pump tank: 10-7/8" H x 20" W x 10" D
- New removable top access cover for all service needs
- LED inform of power, alarm condition, or low battery
- 3 Year Warranty



Liberty Ascent Macerating Toilet		3.23.19
Model #	Description	Trade Price
LIB-ASCENT-II-RSW	Includes: Macerating pump & tank, round front std toilet, tank and seat	\$ 1,004.19
LIB-ASCENT-II-ESW	Includes: Macerating pump & tank, elongated front toilet, tank and seat	\$ 1,048.03
LIB--K001184	Extension pipe for behind wall mount applications	\$ 49.41

Saniflow Macerating Toilet Systems

- 1/2 HP 115V 4.5 amp 51" power cord
- 3/4" d or 1" discharge with check valve
- Two 2" side Inlets on both sides with built in check valves
- Pump tank: 10-3/4" H x 18-3/4" W x 6-3/4" D
- 17 GPM @ 15' lift, shut off head 30ft
- Two easy access service panel on top for fast and easy service
- 2 + 1 Year Warranty

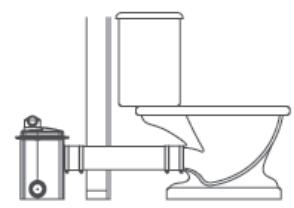


Saniflow Macerating Waste System		10.27.19
Model #	Description	Trade Price
SANI-082	Macerating pump and tank	\$ 826.10
SANI-083	White Toilet bowl Comfort Height round bowl	\$ 150.05
SANI-005	White toilet tank	\$ 115.49
Subtotal Regular Bowl Comfort Height		\$ 1,091.64
SANI-087	White toilet bowl comfort height elongated	\$ 178.71
SANI-030	Extension pipe for behind wall applications	\$ 55.18

Zoeller QWIK JON Ultima

- Contains 1/2 HP mini-grinder pump
 - Pre-assembled pump and tank for easy installation
- Extension Kit** for behind wall applications: use 3" Fernco coupling and PVC pipe

Zoeller Qwik Jon		10.27.19
Model #	Description	Trade Price
ZOEWM266	Qwik Jon Replacement Pump Only	\$ 459.73
Complete System (Non-Stock Special Order at this time)		
**ZOEJ202	Grinder Pump System includes pump, tank, rear outlet white elongated comfort height toilet and tank	\$ 933.29
Components- Replacement parts (Stock on Hand Special Order)		
**ZOE202-1000	Grinder Pump and Tank only.	\$ 716.50
*ZOE202-2000	Bowl Only, Zoeller Quik John rear outlet, elongated, comfort height bowl white	\$ 201.42
ZOE202-3000	Tank Only w/lid only, for Zoeller Quik John white	\$ 133.77
* Stock on Hand ** Non Stock Special Order		



Libert 257 Cast Iron Sump/Effluent Pump

- 1/3 HP. 115V motor, 5.2 amps, 23 LBS
- VMF Heavy duty, vertical magnetic float
- 1-1/2" F/NPT outlet
- 1/2" Solid handling
- 10' power cord quick disconnect
- 3 Year Warranty



LIB-257\$170.55

Liberty 257 Pump Curve				
Total head in ft	5'	10'	15'	20'
GPM	45	35	25	10

Libert 260 Utility Pump

- 1/6 HP. 115V motor, 2 amps, 7.5 LBS
- 3/4" NPT & 3/4" Garden Hose Adapter included
- Completely submersible
- Pumps down to 1/8"
- Removable bottom screen for easy cleaning
- Height 9.5" Major Width 7"
- 3 Year Warranty



LIB-260\$99.62

Liberty 260 Pump Curve							
Total head in ft	0	5'	10'	15'	20'	25	30
GPM	17	16	14	12	9	5	0

Zoeller Case & Switch for M53 Sump Pump

ZOE004702\$63.45



Zoeller Flood Alert High Water Alarm

- Warns you when sensor contacts water
- Operates on 3 AAA Batteries
- Low Battery Alarm
- 5' Lead cord



ZOE10-0763\$26.91

Zoeller Quite Close Check Valves

- 1/2 Lb spring eliminates water hammer
- Vertical or horizontal
- Full flow, no clog design
- Clear PVC, w/Slip Union



ZOE30-0041 1-1/2" Clear Body\$24.60

ZOE30-0243 2" White Body.....\$31.52

ZOE30-0043 2" Clear Body\$34.60

Zoeller Quiet Close Check Valves

- 12 Volt backup sump pump system for when the power fails
- Includes: 12 volt pump, battery re-charger, control w/light and alarm
- Battery sold separately



ZOE-507-0005 Pump System...\$354.41

Battery is not included

Zoeller M53 Cast Iron Sump/Effluent Pump

- 3/10 HP. 115V motor, 4.8 amps, 23 LBS
- 2 Pole float mechanical switch
- 1-1/2" F/NPT outlet
- 1/2" Solid handling
- 9' power cord
- 3 Year Warranty



ZOEM53\$179.89

Zoeller M53				
Total head in ft	5'	10'	15'	20'
GPM	40	30	20	0

Zoeller M98 Cast Iron Sump Pump

- 1/2 HP, 115V motor, 9.4 amps, 36 LBS
- 2 Pole float mechanical switch
- Residential light commercial
- Groundwater or effluent
- 1-1/2" F/NPT outlet
- 1/2" Solid handling
- 15' power cord
- 3 Year Warranty



ZOEM98\$279.07

Zoeller M98				
Total head in ft	5'	10'	15'	20'
GPM	70	60	45	20

Zoeller M267 Cast Iron Sump Pump

- 1/2 HP, 115V motor, 10.4 amps, 47.5 LBS
- 2 Pole float mechanical switch
- Vortex impeller design can pass solids up to 2"
- Residential light commercial
- Groundwater or effluent
- 2" F/NPT outlet
- 10' power cord
- 3 Year Warranty



ZOEM267\$414.37

Zoeller M267				
Total head in ft	5'	10'	15'	18
GPM	110	80	40	20

Zoeller M81 Pedestal Sump Pump

- 1/3 HP, 115V motor, 4 amps, 15 LBS
- 2 Pole float mechanical switch
- 1-1/2" F/NPT outlet
- 7-1/2' power cord
- 1 Year Warranty

Zoeller M81				
Total head in ft	5'	10'	15'	20'
GPM	50	35	10	0



ZOEM81\$178.36

Zoeller WM266 Quik Jon Pump

- Replacement Pump for older Qwik Jon 100/101/102 Series
- 1/2 HP 115V



ZOEWM266\$459.73

Under Ground Gas Pipe, Fitting and Accessories

Free On-Line Con-Stab Gas Pipe Sizing and installation training at:
<http://www.wal-rich.com/certification>

Underground Gas Pipe and Fittings			10.27.19
Model #	Description	Trade	
Pipe			
PE2406/2708	PE YELLOW GAS PIPE 3/4 X 150FT COIL SDR11	\$	104.38
PE2406/2708	PE YELLOW GAS PIPE 1 X 150FT COIL SDR11	\$	165.97
PE2406/2708	PE YELLOW GAS PIPE 1 1/4 X 150FT COIL SDR11	\$	214.02
Fittings & Accessories			10.27.19
WAL2881002	WAL-RICH 3/4 CON-STAB CPLG SDR-11	\$	28.98
WAL2881004	WAL-RICH 1 CON-STAB CPLG SDR-11	\$	42.82
WAL2885002	WAL-RICH 3/4 MIP X CON-STAB	\$	56.73
WAL2885004	WAL-RICH 1 MIP X CON-STAB ADAPTOR	\$	78.08
WAL2885007	WAL-RICH 1-1/4 MALE X CON-STAB	\$	130.21
WAL2886004	WAL-RICH 3/4 IPS RISER CON-STAB	\$	95.12
WAL2886008	WAL-RICH 1 IPS RISER CON-STAB SDR11	\$	107.96
WAL2886013	WAL-RICH 1-1/4 IPS RISER CON-STAB	\$	176.55
WAL2888014	WAL-RICH 3/4 IPS CHAMFER TOOL	\$	30.58
WAL2888016	WAL-RICH 1 IPS CHAMFER TOOL SDR-11	\$	37.09
WAL2888007	WAL-RICH 1-1/4 IPS CHAMFER TOOL	\$	32.64
WAL2426050	3 x 1000FT BURIAL TAPE	\$	34.03
WAL1842500	14G X 500FT TRACER WIRE CO	\$	87.17



Yellow Gas Pipe Coil



Con-Stab® x MIP Adapters



CON-STAB® ANODELESS METER RISERS (WITH FITTING)

- Fusion-bonded epoxy coating
- Anodeless and corrosion resistant
- Patented "ID-Seal" fitting (inside chamfer)

Always Match Pipe Size & SDR

Wal-Rich Constab underground gas pipe Sizing Charts

Natural Gas Low Pressure < 2PSI				Propane LP Low Pressure 11 IN. W.C.			
To calculate BTU multiply x 1,000 Pressure Drop: .5 in w.c. Spec Gavity 60				To calculate BTU multiply x 1,000 Pressure Drop .5 IN W.C. Spec. Gravity 1.50			
Length Feet	3/4" IPS SDR-11	1" IPS SDR-11	1-1/4" SDR 10	Length Feet	3/4" IPS SDR-11	1" IPD SDR-11	1-1/4" IPS SDR-10
10	403	726	1260	10	680	1230	2130
20	277	499	865	20	468	844	1460
30	222	401	695	30	375	677	1170
40	190	343	594	40	321	580	1000
50	169	304	527	50	285	514	890
60	153	276	477	60	258	466	807
70	140	254	439	70	237	428	742
80	131	236	409	80	221	398	690
90	123	221	383	90	207	374	648
100	116	209	362	100	196	353	612
125	103	185	321	125	173	313	542
150	93	168	291	150	157	284	491
175	86	154	268	175	145	261	452
200	80	144	249	200	135	243	420
250	71	127	221	250	119	215	373
300	64	115	200	300	108	195	338
350	59	106	184	350	99	179	311
400	55	99	171	400	92	167	289
450	51	93	160	450	87	157	271
500	48	88	152	500	82	148	256



Always Match Pipe Size & SDR

Con-Stab® Couplings

LOOK FOR THE "C"

You must use a Continental Chamfer Tool on a Continental Fitting!



3" x 1000' Burial Tape



14 gauge Tracer Wire

- 115/230 volt motor
- Noryl Impeller
- Cast Iron Body
- 1 year limited warranty



1-1/4" Suction, 1" discharge

Shallow Well Jet Pumps

Model #	HP	PSI	Pumping Depth in Feet					Shutoff Head	Wt. Lbs	10.27.19
			5'	10'	15'	20'	25'			
STASNC	1/2	40	7.9	7.2	6.4	5.6	4.1	70	45	\$354.21
STASND	3/4	40	12.5	11.4	10.1	8.2	6.8	70	47	\$408.84
STASNE	1	40	20.8	18.7	15.8	13.2	9.3	67	55	\$486.36

Includes 30/50 Pressure switch, Suction 1-1/4" F, discharge 1" F, max. Liquid temp 140 D



1-1/4" Suction, 1" Drive
1" Discharge

Deep Well Convertible Jet Pumps

Model #	HP	Venturi	Noztl	Pumping Depth in Feet & GPM								10.27.19	
				20'	30'	40'	50'	60'	70'	80'	90'		
STASLC	1/2	J32P-24	J34P-41	5.9	4.5	4	2.3						\$ 404.88
		N32P-78B	J34P-41	4.9	3.9	2.9							
		J32P-18	J34P-42	4.6	3.9	3.3	2.8	2.3	1.7				
		J32P-26	J34P-41	9.4	8	6.6							
STASLD	3/4	J32P-22	J34P-44	8	6.9	5.7	4.8	3.8	3.2				\$ 447.93
		N32P-66B	J34P-45	7.3	6.2	5	4						
		J32P-18	J34P-443	5	4.3	3.7	3.2	2.6	2.2	1.8	1.5		

Re-build Kits

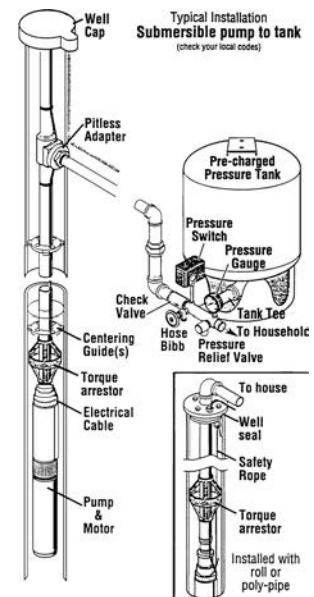
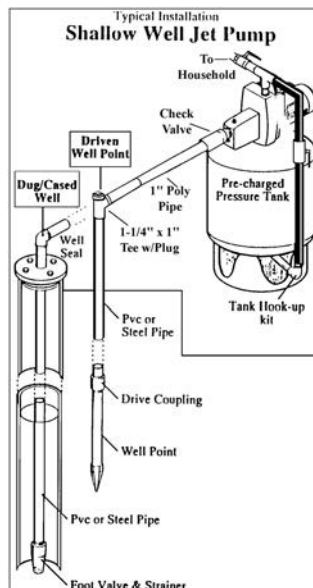
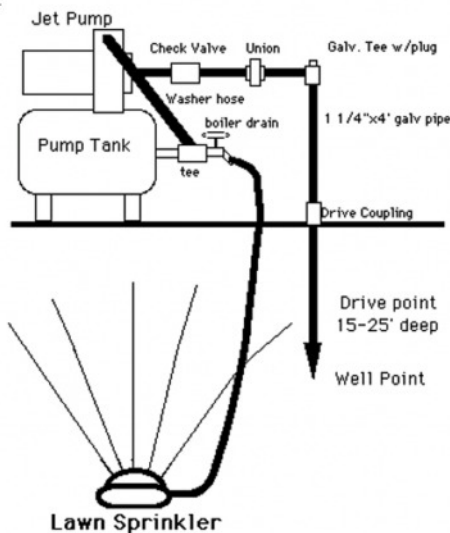
Jet Pump Rebuild Kits			
Model #	HP	Rebuild Kit	Trade
Shallow Well			
SNC	1/2	PP1560	\$ 67.37
SND	3/4	PP1561	Call
Deep Well			
SLC	1/2	PP1560	\$ 67.37
SLD	3/4	PP1565	\$ 64.63
ALE	1	PP1566	Call

Submersible Well Pumps



HP	Model #	Price	PSI	Pumping Depth in Feet												10.27.19	
				20'	40'	60'	80'	100'	150'	200'	250'	300'	350'	400'	Feet	PSI	
5 GPM																	
1/2	S5P4HS05221	\$ 495.18	40	-	7.4	7.2	7	6.8	5.8	4.6	2.9					380	164
3/4	S5P4HS07221	\$ 602.39	40	-			7.4	7.3	7	6.5	5.7	4.9	3.6			531	230
7 GPM																	
1/2	S7P4HS05221	\$ 459.22	40	9.2	8.9	8.5	8.1	7.6	6	3.6						322	139
3/4	S7P4HS07221	\$ 570.58	40	9.7	9.4	9.1	8.9	8.7	7.9	6.7	5.2	3.1				409	177
1	S7P4HS10221	\$ 642.41	40	10.2	9.9	9.7	9.4	9.2	8.6	8.1	7.4	6.5	5.3	3.9		545	236
10 GPM																	
1/2	S10P4HS05221	\$ 442.32	40	12.4	11.7	10.8	9.7	8.2	8.8	2						255	110
3/4	S10P4HS07221	\$ 477.80	40	14.2	13.5	12.9	12.1	11.3	8.9	5.3						340	147

Caution: Do Not use pump at flow rates indicated by symbol " - ". To do so can cause premature failure of unit & void the warranty.



2019 EQUIPMENT CATALOG

ALBANY
 (518) 465-3421 Fax 465-4644

SARATOGA SPRINGS
 (518) 584-4499 Fax 584-2902

SCHENECTADY
 (518) 374-2227 Fax 374-0260

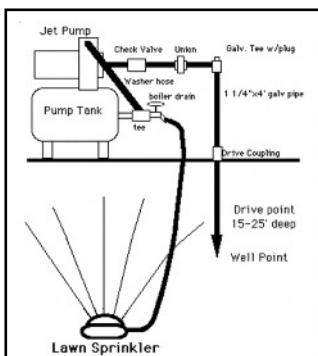
Well Tanks & PKG.



Sta-Rite Pump Tanks		MAXIMUM OPERATING PRESSURE: 100 PSI						
PS Series	Trade	10.27.19	Capac.				Wt.	
Model #	Price	Tapping	Gal.	Position	Diam.	Ht.	Lgth. lbs.	
Plastic Connections								
PS42T-T02	\$ 170.24	1" F	19	Vertical	16	27.5"	44	
Stainless Steel Connections								
PSP19T-T02	\$ 192.92	1" F	19	Vertical	16	27.5"	44	
PSP35-T05	\$ 311.24	1" F	35	Vertical	20"	33"	70	
PSP50-T50	\$ 506.80	1-1/4" F	50	Vertical	24"	32.5"	88	
PSP85-T52	\$ 553.71	1-1/4" F	85	Vertical	24"	51"	128	
Horizontal Tanks								
PS15H-S05	\$ 172.92	3/4" M	6	Horiz.	12"	13.8"	22	
PS42H-S00	\$ 369.44	1" F	19	Horiz.	16"	17.5"	40	
FIBERGLASS SPUN TANK								
PSC-20-6	\$ 180.75	1" F	19.8	Vert	16"	34.1	18	
PSC40-12	\$ 343.55	1" F	40.3	Vert.	16"	59"	30	
Steel Epoxy Lined air-over-water Tanks 1/4" gauge taop 45" 75 PSI Max								
AW42T	\$ 308.00	1-1/4"	42	Vert	16	53-1/2	75	
Draw Down Table for Well Pressure Tanks							8.15	
Press. Switch	Pro-Source Steel Tanks					Fiberglass		
Tank Gal>	6 Gal	19 Gal	35 Gal	50 Gal	85 Gal	20 Gal	40 Gal	
20-40	2.2	6.9	12.7	18.3	30	6.9	13.7	
30-50	1.8	5.8	10.7	15.5	26	5.9	12.1	
40-60	1.6	5	9.3	13.4	22	5.2	10.5	
Tank Sizing" One gallon of drawdown for each gallon per minute at pump.								

Lawn Sprinkler Driven Well Package

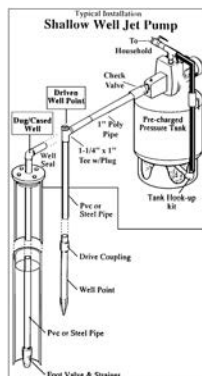
- ½ HP Jet & PS15H Tank
- 4 1-1/4" x 5' galvanized pipe sections
- Drive caps and couplings
- Galvanized, fittings and valve



PKG. \$845

Driven Well Point with Jet Pump Package

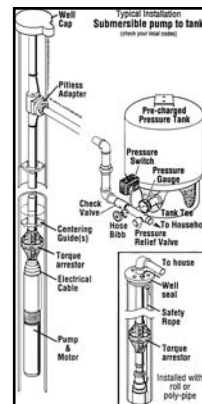
- ½ HP Jet & PS15H Tank
- 4 1-1/4" x 5' galvanized pipe sections
- Drive caps and couplings
- Pipe, valves, fittings



Pkg. \$940

150' Deep Well Submersible Pump Package

- ½ HP submersible pump, PS19T Tank
- 200' poly pipe, rope, wire
- Pitless adapter, torque arrestor, cable guards, clamps, check valves
- Pipe, valves and fittings



Pkg. . \$1,100

Polyethylene Pipe for Water, Water Main and Gas



Polyethylene Rolled Black Pipe					10.27.19
Model #	Diam	Length	PSI Rating	Price	
PE4710-CE100-160	3/4"	100'	160	\$28.64	
PE4710-CE400-160	3/4"	400'	160	\$114.56	
PE4710-CF100-160	1"	100'	160	\$44.87	
PE4710-CF200-160	1"	200'	160	\$89.74	
PE4710-CF300-160	1"	300'	160	\$134.56	
PE4710-CF400-160	1"	400'	160	\$179.41	
PE4710-CF450-160	1"	500'	160	\$224.26	
PE4710-CG100-125	1-1/4"	100'	125	\$58.44	
PE4710-CG100-160	1-1/4"	100'	160	\$97.12	
PE4710-CG-300-160	1-1/4"	300'	160	\$227.62	
PE4710-CH100-160	1-1/2"	100'	160	\$131.38	



Water Service Pipe (CTS = copper tube size)				
PE4710-CF100-250-CTS-BLUE	1"	100'	250	\$ 50.19
PE4710-CF200-250-CTS-BLUE	1"	200'	250	\$ 100.37
PE4710-CF300-250-CTS-BLUE	1"	300'	250	\$ 150.56



INSERT STIFFENER

PE Pipe Stiffener			
LEG313-404	3/4"	insert stiffener for 3/4" CTS PE Pipe	\$ 1.72
LEG313-405	1"	insert stiffener for 1" CTS PE Pipe	\$ 1.96
*LEG313-406	1-1/4"	insert stiffener for 1" CTS PE Pipe	\$ 2.41



Gas Pipe Yellow				
PE2406/2708 SDR-11 IPS-YELLOW-GAS	3/4"	150'	SDR-11	\$ 104.38
PE2406/2708 SDR-11 IPS-YELLOW-GAS	1"	150'	SDR-11	\$ 165.97
PE2406/2708 SDR-11 IPS-YELLOW-GAS	1-1/4"	150'	SDR-11	\$ 214.02

Well Water Accessories



Item #	Description	Trade
Foot Valves		
MER-FVNL75-LF	3/4" FOOT VALVE LEAD FREE	\$ 7.13
MER-FV-100-NL	1 FOOT VALVE NO LEAD	\$ 11.88
MER-FV125-LF	1 1/4 FOOT VALVE LEAD FREE	\$ 14.53
MER-FV150-LF	1 1/2 FOOT VALVE (FVR150)	\$ 23.08



Item #	Description	Trade
Check Valves		
MER-CVNL50-LF	1/2 CHECK VALVE LEAD FREE	\$ 6.47
MER-CVNL75-LF	3/4 CHECK VALVE LEAD FREE	\$ 8.62
MER-CVNL100-LF	1 CHECK VALVE LEAD FREE	\$ 12.55
MER-CVNL125-LF	1 1/4 CHECK VALVE LEAD FREE	\$ 16.41
MER-CVNL150-NL	1-1/2" CHECK VALVE LEAD FREE	\$ 23.44
MER-CVNL200-LF	2" CHECK VALVE LEAD FREE	\$ 35.30



Item #	Description	Trade
Pressure Switches		
HAR9013FSG2-2040	PRESSURE SWITCH - 20/40	\$ 18.76
HAR9013FSG2-3050	PRESSURE SWITCH - 30/50	\$ 18.76
HAR9013FSG2-4060	PRESSURE SWITCH - 40/60	\$ 18.76



Item #	Description	Trade
Pressure Switches w/Low Water Cutoff		
HAR9013FSG2M4-3050	PRESSURE SWITCH - 30/50 W/LPCO	\$ 24.60
HAR-9013FSG2M4-4060	PRESSURE SWITCH - 40/60 W/LPCO	\$ 24.60

Well Water Accessories



Item #	Description	Trade
Rope Hook Adpt		
MER-RBLANL100-LF	1" INS X MIP BRASS ROPE ADAPT LEAD FREE	\$ 9.12
MER-RBLANL125-LF	1-1/4" INS X MIP BRASS ROPE ADAPT LEAD FREE	\$ 12.23
Tank Tees		
MER-BATNL100C-LF	1 X 11 BRASS LONG TANK CROSS LEAD FREE	\$ 23.52
MERBATNL1002L-LF	1 X 14 BRS LONG TANK CROSS LEAD FREE	\$ 48.43
MER-BATNL125X2-NL	1 1/4 X 14 BRS TANK CROSS NO LEAD	\$ 48.44
Relief Vales & Snifters		
MER-PRVNL50-LF	1/2 - 75 PSI RELIEF VALVE LEAD FREE	\$ 6.17
MER-PRVNL-D-100-LF	1/2 - 100 PSI RELIEF VALVE LEAD FREE	\$ 6.43
HAR-SN18LNL-LF	1/8" AIR (SNIFTER) VALVE LEAD FREE	\$ 1.94
MER-SVNL250-LF	1/4" AIR (SNIFTER) VALVE LEAD FREE	\$ 1.67
Pressure Gauges		
PG30-LF	GAUGE-PRESSURE 2" 30 PSI	\$ 3.23
PG1002-4L-LF	GAUGE - PRESSURE 2" ROUND 100PSI	\$ 2.72
Driven Well Fittings		
HARSD3660	WELL POINT 1 1/4 X 36 60SS MESH EXT	\$ 40.59
HARSD3680	WELL POINT 1 1/4 X 36 80SS MESH EXT	\$ 43.58
HARC125	1 1/4 DRIVE CAP	\$ 6.89
HARC200	2 DRIVE CAP	\$ 18.55
HARDC125	1 1/4 DRIVE COUPLING	\$ 4.43
HARDC200	2 DRIVE COUPLING	\$ 7.06
HARHPP10	HARVARD PITCHER PUMP	\$ 70.00
Well Rope		
HARMR251	HARVARD 1000 FT COIL NYLON ROPE	\$ 38.86
HARMR253	HARVARD 3000 FT COIL NYLON ROPE	\$ 108.41
HARMR25FT	HARVARD NYLON ROPE - CUT LENGTH	\$ 0.06
Well Accessorie		
HARH3CL3	HEAT SHRINK KIT (3)	\$ 1.76
HARH3CL4	HEAT SHRINK KIT - 4 PC	\$ 2.34
HARAWT60	HARVARD 3/4 X 60 PVC ELECTRICAL Tape	\$ 1.20
HARC56V	HARVARD ECONOMY WELL CAP	\$ 14.94
MER-MB200-LF	1 BRASS PITLESS ADAPTOR	\$ 42.04
HARWG100	SELF CLAMPING CABLE GUARD	\$ 1.65
HARTA48	HARVARD TORQUE ARRESTOR	\$ 7.17
HARPMB1	HARVARD PUMP MOUNTING BRACKET	\$ 13.60

Well Water

Well Water & Radiant Heat

Well, Sump, Condensate and Yard Hydrant Items

Item	Description	Trade
Air Release		
HAR-WJ1NL-LF	HARVARD DEEP WELL AIR RELEASE LEAD FREE	\$ 33.71
HARAV-35-2	Air volume repair kit	\$ 7.00
HARAVC-42-3	Air volume repair kit	\$ 28.64
HARAVC-120-3A	Air volume repair kit	\$ 47.38
Sand Separators		
HARNT75SO-100P	HARVARD SAND SEPARATOR 3/4" IPS	\$ 66.44
HARNT1SC100	HARVARD REPLACEMENT SCREEN	\$ 13.94
Sump Pump Accessories		
HARSPCV125	HARVARD 1 1/4 SUMP PUMP CHECK VALVE	\$ 7.52
HARSPCV150	HARVARD 1 1/2 SUMP PUMP CHECK VALVE	\$ 7.74
HARSPCV200	HARVARD 2 SUMP PUMP CHECK VALVE	\$ 15.81
HARSPDK125M	HARVARD SUMP PUMP DISCHARGE KIT	\$ 8.78
Yard Hydrant		
MER-CNL7505-NL	5 FT YARD HYDRANT	\$ 96.32
Vinyl Tubing		
HARIV6062-1	1/4" X 100' COIL CLEAR VINYL TUBE 1/4" ID -- 3/8" OD	27.05
HARIV8062-1	3/8" X 100' COIL CLEAR VINYL TUBE 3/8" ID -- 1/2" OD	\$ 15.20
HARIV10062-1	1/2 X 100 COIL CLEAR VINYL TUBE 1/2" id --5/8" od	\$ 18.95
HARIV14062-1	5/8 X 100 COIL CLEAR VINYL TUBE 1/2" id --7/8" od	\$ 21.63
DIV230-DL16	DIVERSITECH 5/8" X 160' CORAGATED DRAIN LINE F/MINI-SPLITS	\$ 61.87
Call for per foot cut pricing		

American Plumber Water Filters

Item #	Description	Trade
Whole Filters		
AMPL-WC34PR	American Plumber whole house filter, 3/4" F IP, pressure relief button, integral mounting bracket,	\$ 35.91
AMPL-WVC34	American Plumber Delux Whole House water filter, clear housing 3/4" Female IP with built in shut-off valve	\$ 47.99
AMPL-152040	Wall mount bracket for above	\$ 9.15
AMPL-WIC-600	point of use water filter for icemakers or drinking water	\$ 49.74
Filter Elements		
AMPL-ECP20-10	American Plumber 20 micron sediment filter #255483-43	\$ 6.72
AMPL-W30W	American Plumber 30 micron, ideal for well water systems, reduces sand, silt, scale and rust particles	\$ 8.15
AMPL-WDC-10	American Plumber, dual core filter, 10 micron, reduces Chlorine and bad taste and order, and sediment	\$ 7.02
AMPL-6000R	WIC-600 replacement water filter	\$ 33.09
Tools & Parts		
AMPL-152037	American Plumber WRENCH FOR 2121N FILTER	\$ 7.37
AMPL-152030	American Plumber "O" RING FOR 2121N	\$ 4.00

Legend Radiant Heat Style Manifolds & Accessories

LEG #	Loops	Trade
8330P-10-2	2	\$ 268.93
8330P-10-3	3	\$ 312.82
8330P-10-4	4	\$ 357.51
8330P-10-5	5	\$ 401.39
8330P-10-6	6	\$ 446.87
8330P-10-7	7	\$ 493.16
8330P-10-8	8	\$ 542.64
8330P-10-9	9	\$ 599.30
8330P-10-10	10	\$ 654.36
8330P-10-11	11	\$ 711.02
8330P-10-12	12	\$ 766.88

Legend Manifold Accessories			10.27.19
PEX to Manifold Adapters Compression sold in pairs of two			Trade
830-140	5/16" manifold adapter		\$ 7.54
830-142	3/8" manifold adapter		\$ 7.92
830-143	1/2" manifold adapter		\$ 7.93
830-144	5/8" manifold adapter		\$ 8.29
830-145	3/4" manifold adapter		\$ 18.23
Cold Expansion Tube Connector			
830-143P	1/2" expansion Pex adapter		\$ 19.39
Aluminum-PEX to Manifold Adapters Compression sold in pairs of two			
830-143C	1/2" PEX-AL-PEX manifold adapt		\$ 8.29
Call for 3/8", 5/8" and 3/4" adapt			
Manifold Port Cap			
831-141	Manifold port cap		\$ 6.11
Actuator Zone Valve 4 Wire			
830-201	4 wire actuator for SS manifold		\$ 51.86



Legend offers wide variety of hydronic heat style manifolds for use with: radiant heat, snow melt, panel radiators, baseboard or cast iron radiators and more



Zurn Radiant Heat Manifold in stock look under Manifolds: QHPM-
 Manifold Nuts: QHMMC QHPAPMMC (Alum-Pex)
 Actuators: QHMBMVDS

Radiant and Hydronic Heating

Radiant Heat Tubing 10.27.19		
Item #	Description	Trade
Legend 20'-Foot Straight Lengths Heat PEX approved for F1807 Crimp or F1960 Expansion		
PEX-X-OXYB-D20-CTS-RED	1/2" X 20'	\$ 8.83
PEX-X-OXYB-E20-CTS-RED	3/4" X 20'	\$ 14.55
PEX-X-OXYB-F20-CTS-RED	1" X 20'	\$ 27.91
Legend Heat Pex Coil approved for F1807 Crimp or F1960 Expansion		
PEX-X-OXYB-D300-CTS RED	1/2" X 300'	\$ 132.39
PEX-X-OXYB-D1000-CTS RED	1/2" X 1,000'	\$ 440.30
PEX-X-OXYB-E300-CTS RED	3/4" X 300'	\$ 218.17
PEX-X-OXYB-E500-CTS RED	3/4" X 500'	\$ 363.62
Call for additional sizes and lengths		
Zurn Alumi-Core PEX-AL-PEX Heat Pex		
Available in 3/8", 1/2", 5/8", 3/4" and 1" sizes		
*PEX-C-C200X	3/8"X200'	\$ 128.08
PEX-C-D300X	1/2" X 300'	\$ 217.32
PEX-C-D1000X	1/2" X 1,000'	\$ 696.53
Call for additional sizes and lengths		
Radiant Tarp Insulation		
Model #	Description	Price
GIC-TARP Rack R-1.46 Radiant Under slab Insulation		
GIC-TAPR 1/2" tarp Insulation roll tarp		
GIC-TARP-6X25	6'x25' 150 sq.ft	\$ 130.46
GIC-TARP-6X250	6'x50' 300 sq.ft	\$ 260.92
GIC-TARP-12X25	12'X25' 300 SQ.FT	\$ 247.88
GIC-TARP-12X50	12' x 50' 600 sq.ft	\$ 521.83
Insul-Tarp R5.9 Radiant Underslab insulation		
INSULTARP- 3/4" tarp Insulation roll tarp		
DRFB625	6'x25' 150 sq.ft	\$ 163.91
DRFB1250	12' x 50' 600 sq.ft	\$ 653.61
WPT1500	white poly tape	\$ 33.46
QC1	wire grid to pex hold down clip 250 in bag	\$ 37.22



Model #	Description	Price
Insulation THERMO- Joist Space Foil-Bubble-Foil		
THE-T12210-16-100	16" x 100' = 133 sq.ft.	\$ 41.54
THE-T12222-16-125	16"X125= 166 sq.ft	\$ 74.54
THE-T12222-18-125	18" x 125 = 166 sq.ft	\$ 71.50



Radiant and Hydronic Heating



Model #	Description	Price	Trade
Heat Transmission Plate			
QHTP	Alum 1/2" 5"x20"	\$ 1.40	
QHETP3D	Extruded 1/2 5"x4'	\$ 12.28	
PEX-3002	Extruded side track 5'x4' alum. Plates	\$ 10.48	
Ultra-Fin Radiant Heat System			
UF-4010	Pair Ultra-Fin 10" aluminum fin (50-box)	\$ 2.71	
UF-HANGER-SN-312	Ultra-Fin down the joist snake hanger (100-bag)	\$ 0.46	
UF-SIDEKEY	Ultra-Fin joist side mount hanger when working above joist	\$ 0.46	
*UF-MCD2002	Ultra-Fin 4-Zone valve relay	\$ 114.62	
Taco Radiant Products			
TAC5003-C3-G-LF	3/4" cxc union taco mixing valve w/Gauge LF	\$ 131.26	
TAC5004-C3-G	1" taco CxC union mixing valve w/temp gauge	\$ 160.82	
TAC3196	3/4" Differential bypass	\$ 85.82	
PVC 90 Sleeve f/pex exit from slab to manifold			
LEG-800-305	for 3/8" to 1/2" PEX	\$ 4.18	
LEG-800-304	up to 3/4" PEX	\$ 5.13	
LEG800-314	TUBE PROTECTOIN SLEEVE	\$ 1.29	
QHCE4	ZURN 1/2" PEX CONDUIT ELBOW	\$ 2.89	
QHCE5	ZURN 3/4" PEX CONDUIT ELBOW	\$ 7.45	
Foam or Insulatarp installation items			
VIE21432	Viega staple gun for tacking radiant tubing to foam insulation	\$ 559.06	
VIE21432-CDSTOOL	Tacker Stable Gun Daily Rental Fee	\$ 25.00	
LEG-800-340-55	2-1/8" FOAM STAPLES 30 per magazine	\$ 5.71	
QHUMFS1	Zurn box 300 1-1/2" radiant tube foam staples	\$ 85.39	
QHUMFS2	Zurn box 300 2-1/2" radiant tube foam staples	\$ 94.74	
Click Gun, and Staples			
QHTCG	Zurn Tubing clip gun	\$ 99.45	
QHTCG-RENTAL	Zurn Tubing clip gun rental fee	\$ 10.00	
QHTCF3	Zurn 1/2" PEX staple clip BOX (100)	\$ 23.40	
Radiant Tubing suspension clips			
PEX-QHLCH3	1/2" PEX locking clip BX 100	\$ 109.36	

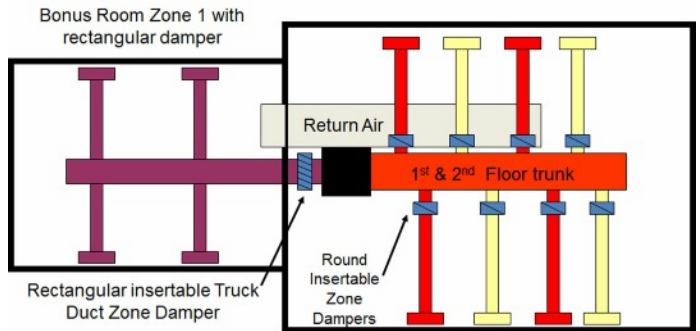
RADIANT HEAT

Zoning for Ducted Warm Air and AC Systems Energy Savings & Total Comfort in Every Room in Your Home

**Fast and Simple Installation and operation
For New and Existing Home and Businesses**



- Easy to install slide in dampers
- Power by single slip on air drive hose.
- Installs in just a few minutes



ARZEL ZONING

Arzel Zoning Panel Selection



MPS Series

- Economy model
- 2-3 zones
- Single Stage input and output
- Freeze and over heat protection not includes



Air Boss Series

- Full Featured analog
- 2, 3, 4, 6 & 8 zone panels available
- 1 & 2 Stage input and outputs
- Freeze and over heat protection not includes
- Heat Pump ready



Heat Pump Pro Series

- Full Featured Digital
- 2, 3, & 4 zone panels available
- Up to 4 stage control
- Smart staging control
- Freeze and over heat protection not includes
- Heat Pump ready
- Includes outdoor sensor



Other Arzel Control Panels available call for details

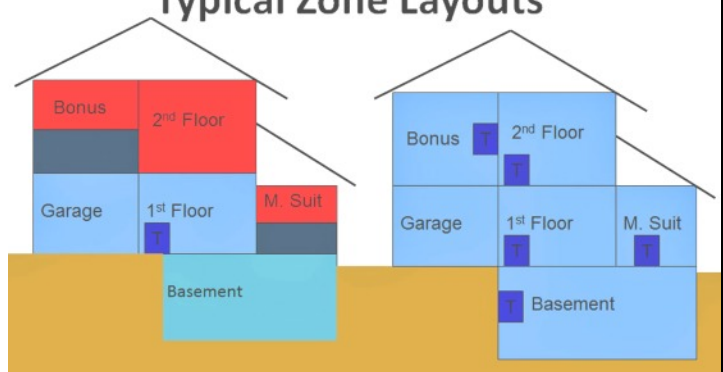
- Geothermal
- High Velocity
- Alone Zone
- Cool Miser, fresh ventilation air control
- Slave Zones

Typical Arzel Zone Layouts

Typical Temperature in a Two Story Home on a Winters Day



Typical Zone Layouts





Control Panels	Description	Suggested 2019 List	Suggested 2019 Trade
MPS Control Panels			
PAN-00202	202 MPS	\$ 811.33	\$ 515.19
PAN-00203	203 MPS	\$ 963.18	\$ 611.62
Air Boss Control Panels			
PAN-AB002	AirBoss - 2-zones w/ mod bypass port	\$ 1,088.81	\$ 691.39
PAN-AB003	AirBoss - 3-zones w/ mod bypass port	\$ 1,216.90	\$ 772.73
PAN-AB004	AirBoss - 4-zones w/ mod bypass port	\$ 1,343.81	\$ 853.32
PAN-AB006	AirBoss - 6-zones w/ mod bypass port	\$ 2,189.04	\$ 1,390.04
PAN-AB008	AirBoss - 8-zones w/ mod bypass port	\$ 2,701.33	\$ 1,715.35
Heat Pump Pro Control Panels			
PAN-HPP02	HeatPumpPro - 2-zones	\$ 1,002.79	\$ 636.77
PAN-HPP03	HeatPumpPro - 3-zones	\$ 1,145.18	\$ 727.19
PAN-HPP04	HeatPumpPro - 4-zones	\$ 1,261.73	\$ 801.20

Rectangular	Description	Suggested 2019 List	Suggested 2019 Trade
Rectangular Dampers			
STKSS-E 6X6	6" x 6" EzySlide damper SidMt w/ 1 act.	\$ 181.30	\$ 115.13
STKSB-E 8X10	8" x 10" EzySlide damper BotMt w/ 1 act.	\$ 205.80	\$ 130.68
STKSB-E 8X12	8" x 12" EzySlide damper BotMt w/ 1 act.	\$ 213.39	\$ 135.50
STKSB-E 8X14	8" x 14" EzySlide damper BotMt w/ 1 act.	\$ 223.98	\$ 142.23
STKSB-E 8X16	8" x 16" EzySlide damper BotMt w/ 1 act.	\$ 230.02	\$ 146.06
STKSB-E 8X18	8" x 18" EzySlide damper BotMt w/ 1 act.	\$ 236.05	\$ 149.89
STKSB-E 8X20	8" x 20" EzySlide damper BotMt w/ 1 act.	\$ 242.10	\$ 153.73
STKSB-E 8X22	8" x 22" EzySlide damper BotMt w/ 1 act.	\$ 248.15	\$ 157.58
STKSB-E 8X24	8" x 24" EzySlide damper BotMt w/ 1 act.	\$ 257.26	\$ 163.36
STKSB-E 8X26	8" x 26" EzySlide damper BotMt w/ 1 act.	\$ 263.31	\$ 167.21
STKSB-E 8X28	8" x 28" EzySlide damper BotMt w/ 1 act.	\$ 270.86	\$ 172.00
STKSB-E 8X30	8" x 30" EzySlide damper BotMt w/ 1 act.	\$ 274.08	\$ 174.04
STKSB-E 8X32	8" x 32" EzySlide damper BotMt w/ 2 act.	\$ 387.29	\$ 245.93
STKSS-E 8X 8	8" x 8" EzySlide damper SidMt w/ 1 act.	\$ 198.23	\$ 125.88
STKSS-E 8X10	8" x 10" EzySlide damper SidMt w/ 1 act.	\$ 205.80	\$ 130.68
STKSS-E 8X12	8" x 12" EzySlide damper SidMt w/ 1 act.	\$ 213.39	\$ 135.50
STKSS-E 8X14	8" x 14" EzySlide damper SidMt w/ 1 act.	\$ 223.98	\$ 142.23
STKSS-E 8X16	8" x 16" EzySlide damper SidMt w/ 1 act.	\$ 230.02	\$ 146.06
STKSS-E 8X18	8" x 18" EzySlide damper SidMt w/ 1 act.	\$ 236.05	\$ 149.89
STKSS-E 8X20	8" x 20" EzySlide damper SidMt w/ 1 act.	\$ 242.10	\$ 153.73
STKSS-E10X12	10" x 12" EzySlide damper BotMt w/ 1 act.	\$ 220.96	\$ 140.31
STKSB-E10X14	10" x 14" EzySlide damper BotMt w/ 1 act.	\$ 230.02	\$ 146.06
STKSB-E10X16	10" x 16" EzySlide damper BotMt w/ 1 act.	\$ 240.58	\$ 152.77
STKSB-E10X18	10" x 18" EzySlide damper BotMt w/ 1 act.	\$ 248.15	\$ 157.58
STKSB-E10X20	10" x 20" EzySlide damper BotMt w/ 1 act.	\$ 258.61	\$ 164.22
STKSB-E10X22	10" x 22" EzySlide damper BotMt w/ 1 act.	\$ 267.87	\$ 170.10
STKSB-E10X24	10" x 24" EzySlide damper BotMt w/ 1 act.	\$ 296.58	\$ 188.33
STKSB-E10X26	10" x 26" EzySlide damper BotMt w/ 1 act.	\$ 305.67	\$ 194.10
STKSB-E10X28	10" x 28" EzySlide damper BotMt w/ 1 act.	\$ 316.28	\$ 200.84
STKSB-E10X30	10" x 30" EzySlide damper BotMt w/ 2 act.	\$ 320.27	\$ 203.37
STKSS-E10X10	10" x 10" EzySlide damper SidMt w/ 1 act.	\$ 210.35	\$ 133.57
STKSS-E10X12	10" x 12" EzySlide damper SidMt w/ 1 act.	\$ 220.96	\$ 140.31
STKSS-E10X14	10" x 14" EzySlide damper SidMt w/ 1 act.	\$ 230.02	\$ 146.06
STKSS-E10X16	10" x 16" EzySlide damper SidMt w/ 1 act.	\$ 240.58	\$ 152.77
STKSS-E10X18	10" x 18" EzySlide damper SidMt w/ 1 act.	\$ 248.15	\$ 157.58
STKSS-E10X20	10" x 20" EzySlide damper SidMt w/ 1 act.	\$ 258.76	\$ 164.31
STKSB-E12X14	12" x 14" EzySlide damper BotMt w/ 1 act.	\$ 257.26	\$ 163.36
STKSB-E12X16	12" x 16" EzySlide damper BotMt w/ 1 act.	\$ 272.37	\$ 172.96
STKSB-E12X18	12" x 18" EzySlide damper BotMt w/ 1 act.	\$ 284.49	\$ 180.65
STKSB-E12X20	12" x 20" EzySlide damper BotMt w/ 1 act.	\$ 293.59	\$ 186.43
STKSB-E12X22	12" x 22" EzySlide damper BotMt w/ 1 act.	\$ 298.10	\$ 189.29
STKSB-E12X24	12" x 24" EzySlide damper BotMt w/ 2 act.	\$ 308.68	\$ 196.01
STKSB-E12X26	12" x 26" EzySlide damper BotMt w/ 2 act.	\$ 408.59	\$ 259.45
STKSB-E12X28	12" x 28" EzySlide damper BotMt w/ 2 act.	\$ 418.04	\$ 265.46
STKSB-E12X30	12" x 30" EzySlide damper BotMt w/ 2 act.	\$ 432.65	\$ 274.74
STKSB-E12X12	12" x 12" EzySlide damper SidMt w/ 1 act.	\$ 233.06	\$ 147.99
STKSS-E12X14	12" x 14" EzySlide damper SidMt w/ 1 act.	\$ 257.26	\$ 163.36
STKSS-E12X16	12" x 16" EzySlide damper SidMt w/ 1 act.	\$ 272.37	\$ 172.96
STKSS-E12X18	12" x 18" EzySlide damper SidMt w/ 1 act.	\$ 284.49	\$ 180.65
STKSS-E12X20	12" x 20" EzySlide damper SidMt w/ 1 act.	\$ 293.59	\$ 186.43



EzySlide Damper install in round supply register feeds

Round Dampers	Description	Suggested 2019 List	Suggested 2019 Trade
EzySlide Round Dampers			
STK-ER0004	4" round damper	\$ 102.17	\$ 64.88
STK-ER0005	5" round damper	\$ 102.17	\$ 64.88
STK-ER0006	6" round damper	\$ 102.17	\$ 64.88
STK-ER0007	7" round damper	\$ 117.51	\$ 74.62
STK-ER0008	8" round damper	\$ 124.14	\$ 78.83
STK-ER0009	9" round damper	\$ 151.14	\$ 95.98
STK-ER0010	10" round damper	\$ 168.10	\$ 106.74
STK-ER0012	12" round damper	\$ 183.43	\$ 116.48
STK-ER0014	14" round damper	\$ 198.80	\$ 126.24
STK-ER0016	16" heavy-duty round damper	\$ 255.47	\$ 162.22



BalancePro manual dampers for when the budget does not allow for a full zoning systems, or additional in zone balancing is needed

Dampers	Description	Suggested 2019 List	Suggested 2019 Trade
Manual Balancing Dampers			
STK-BALR5	5" BalancePro manual balancing damper	\$ 29.45	\$ 18.70
STK-BALR6	6" BalancePro manual balancing damper	\$ 29.45	\$ 18.70
STK-BALR7	7" BalancePro manual balancing damper	\$ 33.98	\$ 21.58
STK-BALR8	8" BalancePro manual balancing damper	\$ 37.38	\$ 23.74
STK-BALR9	9" BalancePro manual balancing damper	\$ 41.91	\$ 26.61
STK-BALR10	10" BalancePro manual balancing damper	\$ 43.04	\$ 27.33
STK-BALR12	12" BalancePro manual balancing damper	\$ 52.65	\$ 33.44
STK-BLS08	8 x 8 BalancePro manual balancing damper	\$ 60.14	\$ 38.19
STK-BLS10	10 x 10 BalancePro manual balancing damper	\$ 68.34	\$ 43.39
STK-BLS12	12 x 12 BalancePro manual balancing damper	\$ 68.34	\$ 43.39
STK-BLS810	8 x 10 BalancePro manual balancing damper	\$ 60.14	\$ 38.19
STK-BLS812	8 x 12 BalancePro manual balancing damper	\$ 60.14	\$ 38.19
STK-BLS814	8 x 14 BalancePro manual balancing damper	\$ 68.34	\$ 43.39



Oval Pipe EzySlide Dampers

Oval Dampers	Description	2019 List	2019 Trade
STKO-ER0006	6" Oval stack damper	\$ 220.70	\$ 140.15
STKO-ER0007	7" Oval stack damper	\$ 225.79	\$ 143.37
STKO-ER0008	8" Oval stack damper	\$ 230.86	\$ 146.59



Inserta Damper: Loads from bottom of supply trunk up into top takeoffs for runs to oval pipe not assessable from floor joist

Inserta Boot-loading Dampers	2019 List	2019 Trade	
INSRT-5	5" InsertaDamper	\$ 254.28	\$ 161.47
INSRT-6	6" InsertaDamper	\$ 254.28	\$ 161.47
INSRT-7	7" InsertaDamper	\$ 281.04	\$ 178.46
INSRT-8	8" InsertaDamper	\$ 307.81	\$ 195.46



RegiDampers install in register boots when duct work is not assessable,

Register Dampers	2019 List	2019 Trade	
REG-2X10	RegiDamper 2" x 10"	\$ 197.88	\$ 125.65
REG-2 X12	RegiDamper 2" x 12"	\$ 197.88	\$ 125.65
REG-3X10	RegiDamper 3" x 10"	\$ 335.14	\$ 212.81
REG-3X12	RegiDamper 3" x 12"	\$ 335.14	\$ 212.81
REG-4 X10	RegiDamper 4" x 10"	\$ 197.88	\$ 125.65
REG-4 X12	RegiDamper 4" x 12"	\$ 197.88	\$ 125.65
REG-6 X10	RegiDamper 6" x 10"	\$ 222.34	\$ 141.18
REG-6 X12	RegiDamper 6" x 12"	\$ 222.34	\$ 141.18

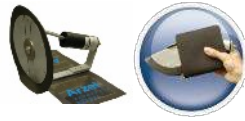
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Ezy-Fit dampers fold up for insertion at register boot when ductwork is not assessable



EZY-FIT Retrofit Boot Dampers		2019 List	2019 Trade
STK-EZFT5	5" Ezy-Fit retrofit boot-loading damper	\$ 255.94	\$ 162.52
STK-EZFT6	6" Ezy-Fit retrofit boot-loading damper	\$ 282.23	\$ 179.22
STK-EZFT7	7" Ezy-Fit retrofit boot-loading damper	\$ 308.52	\$ 195.91

Bypass Dampers



Bypass and Barometric Dampers		2019 List	2019 Trade
MOD-BYP08	Modulating bypass kit 8" rd.	\$ 382.22	\$ 242.71
MOD-BYP10	Modulating bypass kit 10" rd.	\$ 447.87	\$ 284.40
MOD-BYP12	Modulating bypass kit 12" rd.	\$ 473.20	\$ 300.48
MOD-BYP14	Modulating bypass kit 14" rd.	\$ 484.76	\$ 307.82
SPD-R0008	Barometric damper 8" rd.	\$ 230.39	\$ 146.30
SPD-R0010	Barometric damper 10" rd.	\$ 239.95	\$ 152.37
SPD-R0012	Barometric damper 12" rd.	\$ 254.76	\$ 161.77
SPD-R0014	Barometric damper 14" rd.	\$ 264.50	\$ 167.96
SPD-R0016	Barometric damper 16" rd.	\$ 304.22	\$ 193.18
SPD-S0812	Barometric damper 12" x 8"	\$ 203.78	\$ 129.40
SPD-S0820	Barometric damper 20" x 8"	\$ 219.52	\$ 139.39
SPD-S1210	Barometric damper 12" x 10"	\$ 211.64	\$ 134.39
SPD-S1212	Barometric damper 12" x 12"	\$ 219.45	\$ 139.35
SPD-S2010	Barometric damper 20" x 10"	\$ 227.26	\$ 144.31
SPD-S2012	Barometric damper 20" x 12"	\$ 237.04	\$ 150.52
MOD-DMP06	6" ModuPass damper (damper only)	\$ 121.20	\$ 76.96
MOD-DMP08	8" Modulating damper (damper only)	\$ 124.71	\$ 79.19
MOD-DMP10	10" Modulating damper (damper only)	\$ 159.01	\$ 100.97
MOD-DMP12	12" Modulating damper (damper only)	\$ 172.26	\$ 109.39
MOD-DMP14	14" Modulating damper (damper only)	\$ 197.54	\$ 125.44
MOD-FDKIT	ModuPass kit (field install)	\$ 22.07	\$ 14.01
BYP-00KIT	Auto bypass kit (field install)	\$ 233.30	\$ 148.14

Tubing Installation Fittings



Fittings		2019 List	2019 Trade
FIT-TC025	Black Coupling 4mm Barb (Qt.25)	\$ 21.25	\$ 13.49
FIT-TE025	Black Elbow 4mm Barb (Qt.25)	\$ 31.00	\$ 19.69
FIT-TP025	Black Plug 4mm Barb (Qt.25)	\$ 14.25	\$ 9.05
FIT-TT025	Black Tee 4mm Barb (Qt.25)	\$ 31.75	\$ 20.16

Tubing



Tubing		2019 List	2019 Trade
PVC-BLUE	Black PVC w/ Blue stripe	200 ft. \$ 48.87	\$ 31.03
PVC-GREEN	Black PVC w/ Green stripe	200 ft. \$ 48.87	\$ 31.03
PVC-ORANGE	Black PVC w/ Orange stripe	200 ft. \$ 48.87	\$ 31.03
PVC-PINK	Black PVC w/ Pink stripe	200 ft. \$ 48.87	\$ 31.03
PVC-PURPLE	Black PVC w/ Purple stripe	200 ft. \$ 48.87	\$ 31.03
PVC-RED	Black PVC w/ Red stripe	200 ft. \$ 48.87	\$ 31.03
PVC-WHITE	Black PVC w/ White stripe	200 ft. \$ 48.87	\$ 31.03
PVC-YELLOW	Black PVC w/ Yellow stripe	200 ft. \$ 48.87	\$ 31.03
PLEN-BLACK	Plenum tubing - Black	250 ft. \$ 80.26	\$ 50.96
PLEN-BLUE	Plenum tubing - Blue	250 ft. \$ 80.26	\$ 50.96
PLEN-GREEN	Plenum tubing - Green	250 ft. \$ 80.26	\$ 50.96
PLEN-ORANGE	Plenum tubing - Orange	250 ft. \$ 80.26	\$ 50.96
PLEN-PURPLE	Plenum tubing - Violet	250 ft. \$ 80.26	\$ 50.96
PLEN-RED	Plenum tubing - Red	250 ft. \$ 80.26	\$ 50.96
PLEN-WHITE	Plenum tubing - White	250 ft. \$ 80.26	\$ 50.96
PLEN-YELLOW	Plenum tubing - Yellow	250 ft. \$ 80.26	\$ 50.96

Tools and Tool Kit



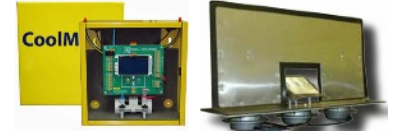
Tools		2019 List	2019 Trade
EZYHUB	Air distribution reservoir	\$ 29.52	\$ 18.75
TOOL-AIRFLOW	Airflow indicator	\$ 34.30	\$ 21.78
DUCTFINDER	Duct finder	\$ 75.89	\$ 48.19
TOOL-GUN	Stapler	\$ 116.56	\$ 74.02
TOOL-STPLS	Staples	\$ 20.52	\$ 13.03
		\$ 716.00	\$ 454.66
TOOL-KIT	Tool kit	\$ 337.17	\$ 214.10

Wireless Thermostat



Thermostats		2019 List	2019 Trade
KIT-WSTAT	Wireless Thermostat Kit - Thermostat & Receiver	\$ 398.90	\$ 253.30

FACT Fresh Air Control & Dampers



FACT (Fresh Air Control Technology) Panel Option & Dampers		2019 List	2019 Trade
PAN-FRESH	Fresh Air Control (factory install)	\$ 238.92	\$ 151.71
STK-FACT6	6" round FACT damper	\$ 108.43	\$ 68.85
STK-FACT8	8" round FACT damper	\$ 130.00	\$ 82.55
STK-FACT10	10" round FACT damper	\$ 167.72	\$ 106.50

Dampers in Sleeves



Dampers Installed in Sleeves		2019 List	2019 Trade
SLV-4INST	4" damper installed in sleeve	\$ 139.42	\$ 88.53
SLV-5INST	5" damper installed in sleeve	\$ 139.42	\$ 88.53
SLV-6INST	6" damper installed in sleeve	\$ 139.42	\$ 88.53
SLV-7INST	7" damper installed in sleeve	\$ 162.04	\$ 102.90
SLV-8INST	8" damper installed in sleeve	\$ 168.24	\$ 106.83
SLV-9INST	9" damper installed in sleeve	\$ 198.90	\$ 126.30
SLV-10INST	10" damper installed in sleeve	\$ 217.21	\$ 137.93
SLV-12INST	12" damper installed in sleeve	\$ 238.87	\$ 151.68
SLV-14INST	14" damper installed in sleeve	\$ 291.86	\$ 185.33

Find More Products and Learn about Arzel Zoning On-Line at <https://www.arzelzoning.com>

Duck Work Evaluation Charts

Visit us on the web at: www.capitoldistrictsupply.com
or email us at: orders@capitoldistrictsupply.com



Duct Charts

Residential CFM Information for Evaluating Existing Duct Systems
Based on .10 available static pressure, galv. pipe, with a total length of run 100' with fittings.
Air flow to runs longer than 100' (w/fitting loss) could be much less or none at all.
We recommend sizing system using Man J Heat Loss and Man. D. Duct Design Procedures.
For Sound control use ACCA recommended velocity range at bottom of page.
Flex duct will have less air flow and should not be run more than 14 ft *

Air Volume CFM	Stock Galv Round	Stock Trunk 8"x	(60 d.rise) Heating Btu	(400 cfm/ton) Cooling BTU	AC Tonage	Trunk 6"x	Trunk 10"x	Trunk 12"x	Rd Pipe FPM Prox Velocity
35	4		2,310	1,050	0.09	Galv.	Galv.	Galv.	400
50	5		3,300	1,500	0.13		Wall Stack		400
75	6		4,950	2,250	0.19		3.25x10		400
100	6		6,600	3,000	0.25	6x6	3.25x10		500
125	7		8,250	3,750	0.31	6x6	3.25x12		500
150	7		9,900	4,500	0.38	8x6	3.25x12		600
175	8		11,550	5,250	0.44	8x6			500
200	8		13,200	6,000	0.50	8x6			600
225	8	Galv.	14,850	6,750	0.56	10x6			650
250	9		16,500	7,500	0.63	10x6			600
275	9	8x8	18,150	8,250	0.69	12x6			650
300	9	8x8	19,800	9,000	0.75	12x6			700
400	10	10x8	26,400	12,000	1.00	14x6			750
500	11	12x8	33,000	15,000	1.25	18x6	10x10		750
600	12	14x8	39,600	18,000	1.50	20x6	12x10		800
700	12	16x8	46,200	21,000	1.75	24x6	12x10		900
800	13	18x8	52,800	24,000	2.00	26x6	14x10	12x12	900
900	14	20x8	59,400	27,000	2.25		16x10	14x12	850
1,000	14	22x8	66,000	30,000	2.50		18x10	14x12	950
1,100	15	24x8	72,600	33,000	2.75		18x10	16x12	900
1,200	15	26x8	79,200	36,000	3.00		20x10	16x12	1000
1,300	16	28x8	85,800	39,000	3.25		22x10	18x12	950
1,400	16	30x8	92,400	42,000	3.50		22x10	18x12	1000
1,500	16		99,000	45,000	3.75		24x10	20x12	1100
1,600	17		105,600	48,000	4.00		26x10	20x12	1000
1,700	17		112,200	51,000	4.25		26x10	22x12	1100
1,800	18		118,800	54,000	4.50		28x10	22x12	1000
1,900	18		125,400	57,000	4.75		30x10	24x12	1100
2,000	18		132,000	60,000	5.00		30x10	24x12	1150

CFM=Heating Load btu/h/1.1x(Furnace Temp Rise)
Velocity= CFM/cross-sectional area (sq. ft.)
Room CFM= Blower CFM x Room Load/ Total Load

Residential Recommended Velocity (FPM) from Man D ACCA								
	Supply Side				Return Side			
	Recommended		Maximum		Recommended		Maximum	
	Rigid	Flex	Rigid	Flex	Rigid	Flex	Rigid	Flex
Trunk Ducts	700	600	900	700	600	600	700	700
Branch Ducts	600	600	900	700	400	400	700	700
Supply Outlet Face Velocity	Size for Throw							
Return Grill Face Velocity								
Filter Grille Face Velocity								

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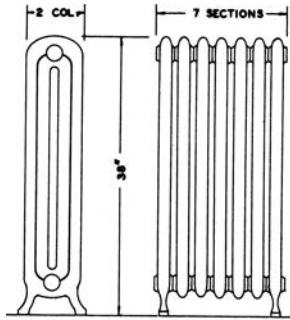
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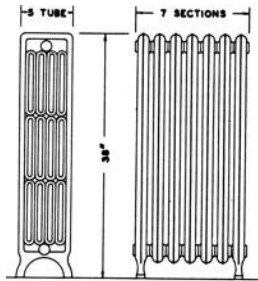
Cast Iron Radiator Sizing Charts to calculate square feet or heating surface area see bottom of page for conversion to BTU/HR

Information needed:

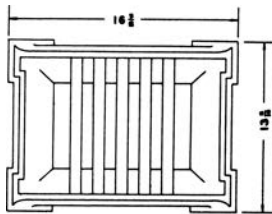
- Height in inches
- Number of tubes or columns looking at side of radiator
- Number of sections looking at front of radiator



SIZE SHOWN 28 SQ. FT. RADIATION



SIZE SHOWN 35 SQ. FT. RADIATION



SIZE SHOWN 5 SQ. FT. RADIATION

Cast Iron Radiators Sizing Chart					
Column Type Radiators					
Height Inches	One column	Two Column	Three Column	Four Column	Window
13	***	***	***	***	3
16	***	***	***	***	3.75
18	***	***	2.25	3	4.25
20	1.5	2	***	***	5
22	***	***	3	4	***
23	1.66	2.33	***	***	***
26	2	2.66	3.75	5	***
32	2.5	3.33	4.5	6.5	***
38	3	4	5	8	***
45	***	5	6	10	***

Tube Type Radiators					
Height Inches	Three Tube	Four Tube	Five Tube	Six Tube	Window Seven Tube
14	***	***	***	***	2.5
17	***	***	***	***	3
20	1.75	2.25	2.66	3	3.66
23	2	2.5	3	3.5	***
26	2.33	2.75	3.5	4	4.75
32	3	3.5	4.33	5	***
38	3.5	4.25	5	6	***

Wall Type Radiators				
Type of Section	Height Inches	Length or Width, Inc	Thickness Inc.	Heating Sq Ft. Radiation
5-A	13	16.5	2-7/8	5
7-A	13	22	2-7/8	7
7-B	22	14	3	7
9-A	18.5	29	2-7/8	9
9-B	29	18.5	3-11/16	9

Heat output of Cast Iron Radiators per Sq. Ft		
Design Temp	Typical output used for	btu/hr per sq ft
170		150
180	Hot Water	170
190		190
200		210
210		230
215	Steam	240

Hydronic Hot Water Pipe Sizing Charts

Flow (GPM) Velocity (ft/sec) Pipe Sizing Chart						
GPM	Copper		PEX		PEX-AL-PEX	
	Min. Flow	Max Flow	Min. Flow	Max Flow	Min. Flow	Max Flow
Velocity>	2 ft/sec	4 ft/sec	2 ft/sec	4 ft/sec	2 ft/sec	4 ft/sec
3/8"	1.0	2.0	0.6	1.3	0.6	1.2
1/2"	1.6	3.2	1.2	2.3	1.2	2.5
5/8"	n/a	n/a	1.7	3.3	2	4
3/4"	3.2	6.5	2.3	4.6	3.2	6.4
1"	5.5	10.9	3.8	7.5	5.2	10.4
1-1/4"	8.2	16.3	5.6	11.2	n/a	n/a
1-1/2"	11.4	22.9	7.8	15.6	n/a	n/a
2"	19.8	39.6	13.4	26.8	n/a	n/a
2.5"	30.5	61.1	n/a	n/a	n/a	n/a
3"	43.6	87.1	n/a	n/a	n/a	n/a

Some quick guidelines from Heatinghelp.com

- Circulator heat sizing: 6' of head per 100' of pipe
- Longest Safe length of baseboard heat element portion
 - ☐ 1/2" 25' max
 - ☐ 3/4" 67' max
 - ☐ 1" 104' max

Maximum Trouble Free GPM & BTUH Capacity of Copper Pipe at Different Temp Drops								
Copper Pipe Size	Maximum Flow Copper GPM	Maximum BTUH 20 DT	Maximum BTUH 30 DT	Maximum BTUH 40 DT	Maximum BTUH 50 DT	Maximum BTUH 60 DT	Maximum BTUH 80 DT	
1/2"	3.2	32,000	48,000	64,000	80,000	96,000	128,000	
3/4"	6.5	65,000	97,500	130,000	162,500	195,000	260,000	
1"	10.9	109,000	163,500	218,000	272,500	327,000	436,000	
1-1/4"	16.3	163,000	244,500	326,000	407,500	489,000	652,000	
1-1/2"	22.9	229,000	343,500	458,000	572,500	687,000	916,000	
2"	39.6	396,000	594,000	792,000	990,000	1,188,000	1,584,000	
2-1/2"	61.1	611,000	916,500	1,222,000	1,527,500	1,833,000	2,444,000	
3"	87.1	871,000	1,306,500	1,742,000	2,177,500	2,613,000	3,484,000	

With at 20 degree temperature drop 1 GPM carries about 10,000 btu/hr



HER35298 Sludgehammer

- System cleaner and restorer
- Suitable for all metals including aluminum, cast iron, stainless steel and copper
- 1 Quart for typical 25 gallon system

Cryo-Tek 100: Anti-Freeze for Heating and Cooling Systems

- Not for use in Cast Aluminum boilers, CPVC pipe and fittings
- Approved for cast iron, stainless steel, copper heat water ways
- A blend of virgin (not recycled) propylene glycol and high purity Triple



HER35297 Sludgehammer

- Universal Corrosion Inhibitor protects against corrosion and lime-scale build-up
- Suitable for all metals including aluminum, cast iron, stainless steel and copper
- 1 Quart for typical 25 gallon system

Item #	Description	Trade
Antifreeze		
HER35-281	1 GALLON CYRO-TEK 100	\$ 14.07
HER35-284	5 GALLON CYRO-TEK 100	\$ 69.60
HER35-271	ANTI-FREEZE TEST KITS	\$ 15.76
Boiler Cleaners		
HER-35297	Sludgehammer corrosion inhibitor to protects against corrosion and lime-scale buildup 32 oz	\$41.77
HER-35298	Sludgehammer System Cleaner for hot water boiler cleaner, 32 oz	\$41.77

Hercules Cryo-tek - 100 Antifreeze					
% Concentration of Cryo-tek-100	Parts of Cryo-tek-100	Parts of Water	Freeze Protection Down to	Pumpable Down To	Burst Protection Down To
100%	undiluted	zero	-70°F	-80°F	-100°F
75%	3	1	-21°F	-33°F	-60°F
60%	3	2	-0°F	-10°F	-40°F
50%	1	1	+10°F	+5°F	+20°F

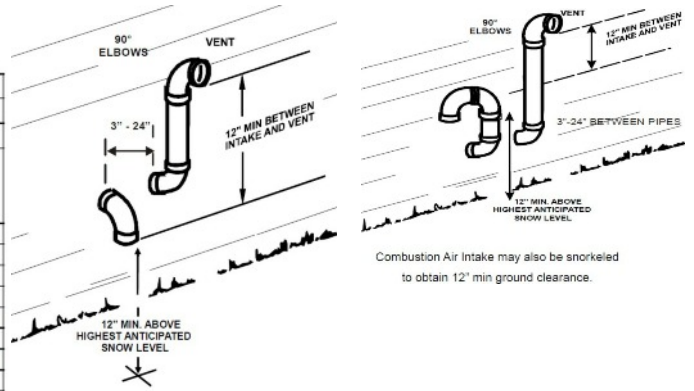
Piping Water Content to Calculate System Water Volume and Antifreeze Amounts					
Copper		Black Iron		PEX Crimp	
Gallons per foot	Gallons per foot	Gallons per foot	Gallons per foot	Gallons per foot	Gallons per foot
N/A	N/A	N/A	N/A	5/16	0.003
3/8"	0.008	3/8"	0.010	3/8"	0.005
1/2"	0.012	1/2"	0.016	1/2"	0.009
5/8"	0.018	5/8"	0.000	5/8"	0.013
3/4"	0.025	3/4"	0.028	3/4"	0.018
1"	0.043	1"	0.045	1"	0.030
1-1/4"	0.066	1-1/4"	0.078	1-1/4"	0.045
1-1/2"	0.093	1-1/2"	0.106	1-1/2"	0.063
2"	0.161	2"	0.175	2"	0.108
2-1/2"	0.249	2-1/2"	0.249	2-1/2"	N/A
3"	0.355	3"	0.385	3"	N/A

Typical Venting Tables and Termination for High Efficiency Furnaces and Boilers

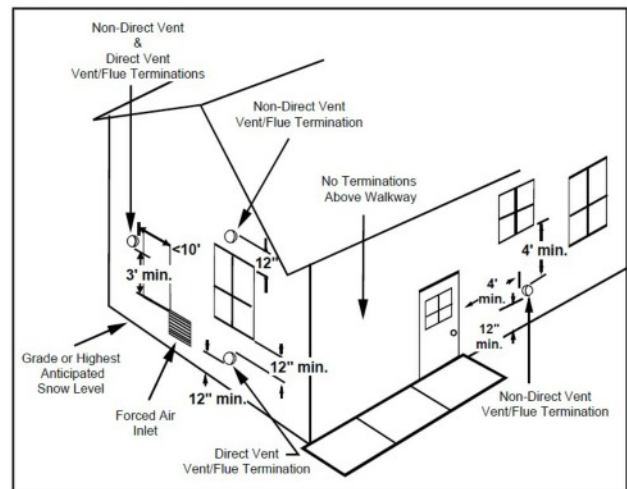
You must check manual shipped with your equipment for the latest details on safe and code compliant venting.

Typical Goodman 92% AFUE Venting Table

*MES92 Direct Vent (2-Pipe) and Non-Direct Vent (1-Pipe) (6)									
Maximum Allowable Length of Vent/Flue Pipe (1) (2)									
MODEL	PIPE SIZE (4)	Number of Elbows (3) (5)							
		1	2	3	4	5	6	7	8
*MES920403AN	2	75	70	65	60	55	50	45	40
	3	114	107	100	93	86	79	72	65
*MES920603BN	2	55	50	45	40	35	30	25	20
	3	127	120	113	106	99	92	85	78
*MES920803BN	2^	30	25	20	15	10	5	N/A	N/A
	3^	72	65	58	51	44	37	30	23
*MES920804CN	2^	30	25	20	15	10	5	N/A	N/A
	3^	72	65	58	51	44	37	30	23
*MES920805CN	2^	40	35	30	25	20	15	10	5
	3	72	65	58	51	44	37	30	23
*MES921004CN	2	60	55	50	45	40	35	30	25
	3	168	161	154	147	140	133	126	119
*MES921005CN	2	30	25	20	15	10	5	N/A	N/A
	3	113	106	99	92	85	78	71	64
*MES921205DN	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3	65	58	51	44	37	30	23	16



TERMINATION LOCATIONS



IBC HC and DC Boiler Venting Table

EXHAUST PIPE SIZE/FITTINGS	MAXIMUM EQUIVALENT LENGTH
Schedule 40 PVC, CPVC or PPS – Allowances are for each side separately.	
2"	35'
3"	120'
2" or 3" 90° Long Sweep Vent Elbow	Allow 5 equivalent feet
2" or 3" 90° Short Sweep Vent Elbow	Allow 8 equivalent feet
2" or 3" 45° Vent Elbow	Allow 3 equivalent feet
PPS	
PPS 87-90° Elbow	Allow 8 equivalent feet
Flex PPS	
3" PPS Flex	(Max. 35) actual feet times 1.4

Table 3: Maximum Exhaust Venting Length

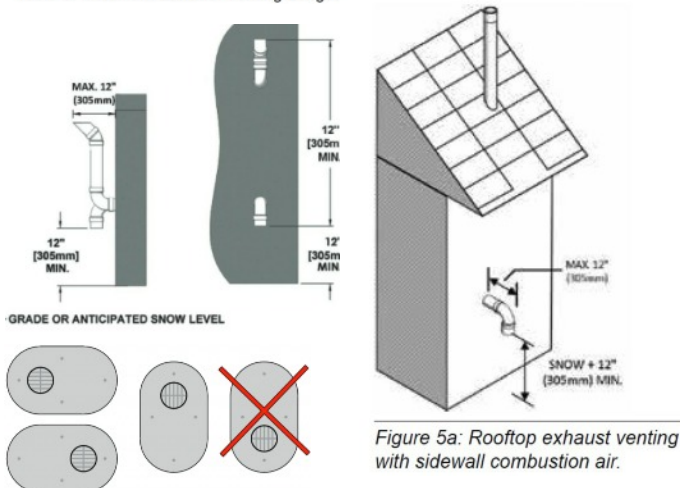


Figure 5a: Rooftop exhaust venting with sidewall combustion air.

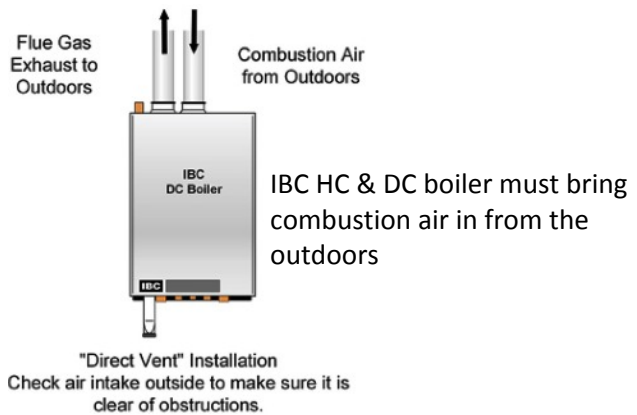


Figure 10: Iplex #196984 2" PVC and #196985 3" PVC



Model #	Description	Trade
Trac-Pipe Coils		
TRAC-FGP-CS-500-100	TRACPIPE COUNTERSTRIKE 1/2 X 100FT COIL	\$ 326.38
TRAC-FGP-CS-500-250	TRACPIPE COUNTERSTRIKE 1/2 X 250FT COIL	\$ 815.96
TRAC-FGP-CS-750-100	TRACPIPE COUNTERSTRIKE 3/4" X 100FT COIL	\$ 424.40
TRAC-FGP-CS-100-180	TRACPIPE 1 X 180FT COUNTERSTRIKE COIL	\$ 1,090.09
Trac-Pipe Per Foot Cut Pricing		
TRAC-FGP-CS-500-FT	TRACPIPE COUNTERSTRIKE 1/2 PER FT	\$ 3.83
TRAC-FGP-CS-750-FT	TRACPIPE COUNTERSTRIKE 3/4 PER FT	\$ 4.99
TRAC-FGP-CS-1000-FT	TRACPIPE 1 COUNTERSTRIKE PER FT	\$ 7.13
Trac-Pipe Fittings		
TRAC-SFST-500	TRACPIPE AutoSnap 1/2 M ADAPTOR	\$ 13.55
TRAC-SFST-750	TRACPIPE AutoSnap 3/4 M ADAPTOR	\$ 18.46
TRACFST-500	TRACPIPE 1/2 X M ADAPTER	\$ 14.94
TRACFST-1000	TRACPIPE 1 X M ADAPTER	\$ 31.47
TRACFSTF-500	TRACPIPE 1/2 X F ADAPTER	\$ 14.94
TRACRING-500	TRACPIPE 1/2" RING (EA)	\$ 0.62
TRACRING-750	TRACPIPE 3/4 RING (EA)	\$ 0.67
TRACCPLG-500	TRACPIPE 1/2 COUPLING	\$ 26.19
TRACCPLG-750	TRACPIPE 3/4 COUPLING	\$ 34.81
TRACFGP-TF1000-T500	TRACPIPE 1" X 1" X 1/2" TEE	\$ 90.88
TRACFGP-TF1000-T750	TRACPIPE 1" X 1" X 3/4" TEE	\$ 89.44
TRACFGP-TF500-T500	TRACPIPE 1/2 TEE	\$ 43.39
TRACFGP-TF750-T500	TRACPIPE 3/4 X 3/4 X 1/2 TEE	\$ 56.99
TRACFGP-TF750-T750	TRACPIPE 3/4 TEE	\$ 54.74
TRAC-FGP-915-10H-12DL	TRACPIPE COUNTERSSTRIKE SILICONE TAPE	\$ 30.11
TRACFGP-BFF-1000	TRACPIPE 1IN STRAIGHT BRASS FLANGE FITTING	\$ 36.16
TRACFGP-ELLB-500	TRACPIPE 1/2 ANGLE BRASS FLANGE 90 FITTINGS	\$ 41.11
TRAC-FGP-SRFG-500	TRACPIPE AutoSnap 1/2 STRAIGHT BRASS FLANGE FITTINGS	\$ 15.65
TRAC-FGP-SRFG-750	TRACPIPE AutoSnap 3/4 STRAIGHT BRASS FLANGE FITTINGS	\$ 20.90
TRACFGP-TM750	TRACPIPE 3/4" TERMINATION MOUNT	\$ 21.32
TRACFGP-WBTM-500	TRACPIPE 1/2 METAL WALL BOX W/BALL VALVE	\$ 48.12
*TRACSP-050	TRACPIPE 1/2 STRIKER PLATE	\$ 1.89
*TRACSP-100	TRACPIPE FULL STRIKER PLATE	\$ 3.92

Table N-1 Low Pressure (Standard)

Maximum Capacity of OmegaFlex TracPipe in Cubic Feet per Hour Natural Gas (1,000 BTU approx)

Gas Pressure: 6-7 in. W.C. Pressure Drop: 0.5 in. W.C. (based on a 0.6 Specific Gravity Gas)

Size (EHD)	TUBING LENGTH (FEET)																	
	5	10	15	20	25	30	40	50	60	70	80	90	100	150	200	250	300	
3/8"	15	63	44	35	31	27	25	21	19	17	16	15	14	13	10	9	8	7
1/2"	19	134	95	77	67	60	55	47	42	38	36	33	32	30	23	21	19	17
3/4"	25	288	206	169	147	132	121	105	94	86	80	75	71	67	55	48	43	39
1"	31	546	383	310	269	240	218	188	168	153	141	132	125	118	94	82	74	67
1-1/4"	37	1109	789	646	561	503	460	399	358	327	303	284	268	254	208	181	162	148
1-1/2"	46	1790	1261	1027	888	793	723	625	559	509	471	440	415	393	320	277	247	226
2"	62	4142	2934	2398	2078	1860	1698	1472	1317	1203	1114	1042	983	933	762	661	591	540

Table P-1 Propane Low Pressure (Standard)

Maximum Capacity of OmegaFlex TracPipe™ in Thousands of BTU per Hour Propane Gas

Gas Pressure: 11 in. W.C. Pressure Drop: 0.5 in. W.C. (based on a 1.52 Specific Gravity Gas)

Size (EHD)	TUBING LENGTH (FEET)																	
	5	10	15	20	25	30	40	50	60	70	80	90	100	150	200	250	300	
3/8"	15	99	69	55	49	42	39	33	30	26	25	23	22	20	15	14	12	11
1/2"	19	211	150	121	106	94	87	74	66	60	57	52	50	47	36	33	30	26
3/4"	25	456	325	267	232	209	191	166	149	136	126	118	112	106	87	76	68	62
1"	31	863	605	490	425	379	344	297	265	241	222	208	197	186	143	129	117	107
1-1/4"	37	1753	1247	1021	887	795	727	631	566	517	479	449	424	402	329	286	256	234
1-1/2"	46	2830	1993	1623	1404	1254	1143	988	884	805	745	696	656	621	506	438	390	357
2"	62	6547	4638	3791	3285	2940	2684	2327	2082	1902	1761	1647	1554	1475	1205	1045	934	854

Natural Gas Black Pipe Sizing Chart

**Natural Gas Capacity of Pipe
In Cubic Feet of Gas Per Hour (CFH)**

Length of Pipe in Feet	Nominal Black Pipe Size				
	1/2"	3/4"	1"	1 1/4"	1 1/2"
10	132	278	520	1050	1600
20	92	190	350	730	1100
30	73	152	285	590	980
40	63	130	245	500	760
50	56	115	215	440	670
60	50	105	195	400	610
70	46	96	180	370	560
80	43	90	170	350	530
90	40	84	160	320	490
100	38	79	150	305	460

(Pressure 0.5 psig or less and pressure drop of 0.3" W.C.; Based on 0.60 Specific Gravity Gas)

CFH = $\frac{\text{BTUH Furnace Input}}{\text{Heating Value of Gas (BTU/Cubic Foot)}}$

Propane Gas Pipe Sizing Chart

Sizing Between Single or Second Stage Regulator and Appliance*

Maximum Propane Capacities Listed are Based on 1/2" W.C. pressure drop at 11" W.C. setting. Capacities in 1,000 BTU/hour.

Pipe or Tubing Length, Feet	Tubing Size, O.D. Type L						Nominal Pipe Size Schedule 40				
	3/8"	1/2"	5/8"	3/4"	7/8"	1-1/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"
10	39	92	199	329	501	935	275	567	1,071	2,205	3,307
20	26	62	131	216	346	630	189	393	732	1,496	2,299
30	21	50	107	181	277	500	152	315	590	1,212	1,858
40	19	41	90	145	233	427	129	267	504	1,039	1,559
50	18	37	79	131	198	376	114	237	448	913	1,417
60	16	35	72	121	187	340	103	217	409	834	1,275
80	13	29	62	104	155	289	89	185	346	724	1,066
100	11	26	55	90	138	255	78	162	307	630	976
125	10	24	48	81	122	224	69	146	275	567	866
150	9	21	43	72	109	202	63	132	252	511	787
200	8	19	39	66	100	187	54	112	209	439	665
250	8	17	36	60	93	172	48	100	185	390	590

*Data in accordance with NFPA pamphlet NO. 54

GAS PIPE SIZING

Underground Gas Pipe Sizing Chart

See Page 58 for Stock Product Listing

Wal-Rich Constab underground gas pipe Sizing Charts

Natural Gas Low Pressure < 2PSI

To calculate BTU multiply x 1,000
Pressure Drop: .5 in w.c. Spec Gavity 60

Length Feet	3/4" IPS SDR-11	1" IPS SDR-11	1-1/4" SDR 10
10	403	726	1260
20	277	499	865
30	222	401	695
40	190	343	594
50	169	304	527
60	153	276	477
70	140	254	439
80	131	236	409
90	123	221	383
100	116	209	362
125	103	185	321
150	93	168	291
175	86	154	268
200	80	144	249
250	71	127	221
300	64	115	200
350	59	106	184
400	55	99	171
450	51	93	160
500	48	88	152

Propane LP Low Pressure 11 IN. W.C.

To calculate BTU multiply x 1,000
Pressure Drop .5 IN W.C. Spec. Gravity 1.50

Length Feet	3/4" IPS SDR-11	1" IPD SDR-11	1-1/4" IPS SDR-10
10	680	1230	2130
20	468	844	1460
30	375	677	1170
40	321	580	1000
50	285	514	890
60	258	466	807
70	237	428	742
80	221	398	690
90	207	374	648
100	196	353	612
125	173	313	542
150	157	284	491
175	145	261	452
200	135	243	420
250	119	215	373
300	108	195	338
350	99	179	311
400	92	167	289
450	87	157	271
500	82	148	256

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