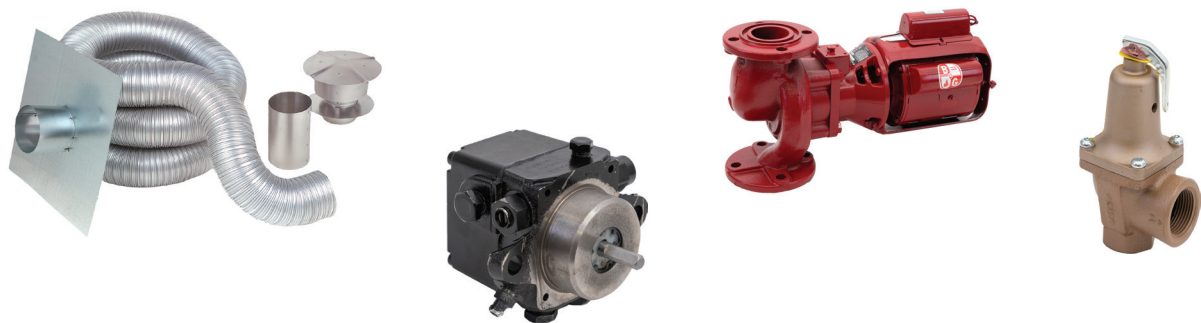




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VENTING ACCESSORY



SWG POWER VENTER KIT FOR GAS FURNACES

Combines the motor, blower and vent hood in one complete, easy to install unit that significantly reduces motor noise.

- Designed for walls up to 8" thick
- Use with oil or gas furnaces,

- boilers and water heaters
- SWG4G is the universal 4" model



Part No.	Vent Diameter (In.)	Includes	Description
SWGII4HD ¹	4	Unit vent	Power venter, 4" unit vent
SWG4G ¹	4	SWG-4HD Power Venter, CK-43F Control Kit, and Draft Control	Power venter, 4" unit vent, CSA certified for Inter City Products, control kit included
SWG5	5	Unit vent	Power venter, 5" unit vent
SWG6	6	Unit vent	Power venter, 6" unit vent

¹ Universal Generic 4"



POWER VENTER CONTROL

Control kit for use with SWG power venter. Can also control draft inducers (Model DI) and combustion air systems (CAS 3 & 4).



Part No.	Use with	Includes	Description
CK20	30/750mV Gas, Water-Spa Heaters	Gas Pressure Switch, Safety, Fixed Post Purge	Power venter control kit, usage: 30/750 mV gas, water-spa heaters
CK41F	24V Gas without Spillage Switch	Draft Proving Switch, Safety, Fixed Post Purge	Power venter control kit, usage: 24 Volt gas without spillage switch
CK43	24V Gas, Draft Induced	Draft Proving Switch, Draft Control, Fixed Post Purge	Power venter control kit, usage: 24 Volt gas, draft induced
CK91 ¹	24V Gas, Draft Induced with 30mV Water Heater Co-Vent	Draft Proving Switch, Safety, Adj. Electronic Post Purge	Power venter control kit, usage: 24 Volt gas, draft induced with 30mV water heater co-vent
CK92F ¹	Gas Fired with 30mV Water Heater Co-Vent	Draft Proving Switch, Safety, Fixed Post Purge	Power venter control kit, usage: gas fired with 30mV water heater co-vent

¹ Includes Gas Pressure Switch



CAS1

COMBUSTION AIR, DIRECT

The Field combustion air system (CAS) provides controlled amounts of outside air for proper combustion of oil heating appliances.

When to use:

- Too tight construction
- Provide source of fresh air for combustion
- Use with appliances up to 2 GPH
- Includes 4" intake air hood and vacuum relief valve



Part No.	Use with	Description
CAS1	Beckett AFII, NX Riello 40BF	FAN IN A CAN
CAS2B	Beckett AF, AFG Burner	FAN IN A CAN



SWH14

VENT HOOD

Made of 24 gauge aluminized steel and can be used with natural gas, L.P. gas or fuel oil fired equipment. The concentric pipe, angled outlet deflectors and spaced plate design allow for better heat



dissipation.

Part No.	Use with
SWH14	Natural gas, LP gas or oil-fired equipment



DI1

DRAFT INDUCER

Use a draft inducer for:

- Long horizontal vent runs
- Undersized flue pipes
- Short chimneys
- Outside exposed chimney
- Negative building pressures

For venting a single appliance, a draft inducer proving switch (DIP-1) is recommended. For multiple appliances, a control kit is required for operation. See selection guide below.



Part No.	Input Range	Description
DI1	69,000 to 136,000 BTUH	Draft inducer
DI2	279,000 to 430,000 BTUH	Draft inducer
DIP1	Proving Switch	Air Proving Switch for Draft Inducer



RC-5

BAROMETRIC DRAFT CONTROL

Maintain consistent draft by counteracting the negative forces caused by changes in temperature and barometric pressure, and the effects of wind.

- Use with oil or coal residential or commercial appliances

- Can use with pipe size within 1" of control size, designed for settings from .02" to .08"



Part No.	Control Diameter (In.)	Description
RC-5	5	Barometric draft control, oil or coal, Recommended Pipe Sizes Circumference 12 1/2" to 19"
RC6	6	Barometric draft control, oil or coal, Recommended Pipe Sizes Circumference 15 3/4" to 22"
RC7	7	Barometric draft control, oil or coal, Recommended Pipe Sizes Circumference 19" to 25 1/4"
RC8	8	Barometric draft control, oil or coal, Recommended Pipe Sizes Circumference 22" to 28 1/8"



MG15

BAROMETRIC DRAFT CONTROL, GAS

A double-acting control for gas fired furnaces and boilers is widely used for conversion burner installations, gas draft-induced appliance operation with mechanical draft inducers or sidewall power venters, and forced

draft burners greater than 30' stack height.

- Effectively use with pipe size within 1" of control diameter. Adjustments from .01" to .1"



Part No.	Control Diameter (In.)	Description
MG15	5	Barometric draft control, gas, 5" diameter
MG16	6	MG1 DRAFT CONTROL DOUBLE ACTING FOR GAS APPLIANCES

CHIMNEY LINER

ALUMINUM KIT

Z-Flex's specially designed "deep corrugations" provide for greater flexibility and ease of installation. Patented triple-lock mechanical joint.



2GACKIT0325

ALUMINUM KIT

- For gas applications
- Includes: 2-ply aluminum liner, chimney flashing, rain cap, mortar collar, 3 screws



Part No.	Tube Diameter (In.)	Tube Length	Includes
2GACKIT0325	3	25'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws
2GACKIT0425	4	25'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws
2GACKIT0525	5	25'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws
2GACKIT05.525	5 1/2	25'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws
2GACKIT0625	6	25'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws
2GACKIT0725	7	25'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws
2GACKIT0330	3	30'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws
2GACKIT0335	3	35'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws
2GACKIT0435	4	35'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws
2GACKIT0535	5	35'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws
2GACKIT05.535	5 1/2	35'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws
2GACKIT0635	6	35'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws
2GACKIT0735	7	35'	2-Ply Aluminum Liner; Chimney Flashing; Rain Cap; Mortar Collar; 3 Screws

CHIMNEY LINER



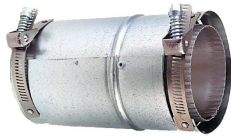
20ILKTX0625

STAINLESS STEEL KIT

- For pellet, oil and gas applications
- Includes: stainless steel liner, chimney flashing, rain cap, mortar collar, top support



Part No.	Tube Diameter (In.)	Tube Length	Includes
20ILKTX0625	6	25'	Rain Cap; Flashing; Flexible Liner; Mortar Collar
20ILKTX0535	5	35'	Rain Cap; Flashing; Flexible Liner; Mortar Collar
20ILKTX0635	6	35'	Rain Cap; Flashing; Flexible Liner; Mortar Collar



2CNNBFC04

B-VENT CONNECTOR, ALUMINUM

- For gas applications
- Connects B-Vent to Z-Flex liner



Part No.	Tube Diameter (In.)	Description
2CNNBFC04	4	4" Chimney Liner B-Vent Connector
2CNNBFC05	5	5" Chimney Liner B-Vent Connector
2CNNBFC06	6	6" Chimney Liner B-Vent Connector



2CNNTRG04

LINER COUPLING

- For gas applications
- Used to attach 2 lengths of pipe



Part No.	Tube Diameter (In.)	Description
2CNNTRG04	4	4" Aluminum Chimney Liner Connector
2CNNTRG05	5	5" Aluminum Chimney Liner Connector



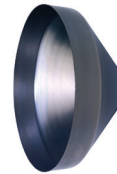
2GAEXT0610

LINER EXTENSION, ALUMINUM

Used to extend a Z-Flex aluminum liner kit an additional 10 feet. Kit includes: 10 foot section of 2 ply aluminum liner, 2 gear clamps, 1 liner coupling



Part No.	Tube Diameter (In.)	Tube Length	Description	Includes
2GAEXT0610	3	10'	6" Aluminum 2-Ply Extension Kit	10' 2-Ply Liner; Coupling; Clamps



2NCXXX03

NOSE CONE



Part No.	Tube Diameter (In.)	Description
2NCXXX03	3	3" Nose Cone Guide
2NCXXX04	4	4" Nose Cone Guide
2NCXXX05	5	5" Nose Cone Guide
2NCXXX05.5	5 1/2	5 1/2" Nose Cone Guide
2NCXXX06	6	6" Nose Cone Guide
2NCXXX07	7	7" Nose Cone Guide

OIL STORAGE



B-104-CFXL

FUSIBLE VALVE

Fusible valves are designed to automatically close when acted upon by heat of 165° F and are primarily manufactured for oil burner installations. All Firomatic fusible valves can be operated manually

and may be used where fire protection is important.



Part No.	Description	Valve Usage (Series)
B-104-CFXL	Fusible Extra Long Angle	3/8 Flare x 1/4 MPT

OIL ACCESSORIES



1A25B

OIL FILTER SHELL

Fuel filter for oil fired heating appliances.

- Working pressure: 12 psi
- Connection size: 3/8" FPT



Part No.	Firing Rate (GPH)	Description
1A25B	10	Oil filter shell, 10 GPH max firing rate, 3/8" FPT
2A700A	25	Oil filter shell, 25 GPH max firing rate, 3/8" FPT



1A30

OIL FILTER CARTRIDGE



Part No.	Use with
1A30	General 1A-25A, Unifilter 77, Sears 8055, Sid Harvey XF-25/264, Autoflo F-300, Eddington S-254 and Federal A-77.
2A710	General 2A-700-A, Unifilter 99, Sid Harvey XF-1/265, Autoflo F-400 and Eddington S-252.
RF4	Fulflo B4, AS4, FB4

OIL BURNER



AF44

AIR TUBE, AF, AFG

Consult Beckett's cross-reference for proper application to specific model appliances.



Part No.	Tube Length	Burner Head	Description
AF44	4 1/2"	None	Air tube, less burner head, 4-1/2" L
AF44XN	4 1/2"	F3	Air tube, with F3 head, 4-1/2" L, 0.75 to 1.25 GPH firing rate
AF53	5 3/8"	None	Air tube, less burner head, 5-3/8" L
AF53XN	5 3/8"	F3	Air tube, with F3 head, 5-3/8" L, 0.75 to 1.25 GPH firing rate
AF65	6 5/8"	None	Air tube, less burner head, 6-5/8" L
AF65XR	6 5/8"	F0	Air tube, with F0 head, 6-5/8" L, 0.40 to 0.75 GPH firing rate
AF65XN	6 5/8"	F3	Air tube, with F3 head, 6-5/8" L, 0.75 to 1.25 GPH firing rate
AF65XP	6 5/8"	F22	Air tube, with F22 head, 6-5/8" L, 1.65 to 2.50 GPH firing rate
AF72	7 1/4"	None	Air tube, less burner head, 7-1/4" L
AF72XN	7 1/4"	F3	Air tube, with F3 head, 7-1/4" L, 0.75 to 1.25 GPH firing rate
AF90	9"	None	Air tube, less burner head, 9" L
AF90XN	9"	F3	Air tube, with F3 head, 9" L, 0.75 to 1.25 GPH firing rate
AF90XP	9"	F22	Air tube, with F22 head, 9" L, 1.65 to 2.50 GPH firing rate
AF104	10 1/2"	None	Air tube, less burner head, 10-1/2" L
AF104XN	10 1/2"	F3	Air tube, with F3 head, 10-1/2" L, 0.75 to 1.25 GPH firing rate
AF130XN	13"	F3	Air tube, with F3 head, 13" L, 0.75 to 1.25 GPH firing rate
AF130XP	13"	F22	Air tube, with F22 head, 13" L, 1.65 to 2.5 GPH firing rate
AF160XN	16"	F3	Air tube, with F3 head, 16" L, 0.75 to 1.25 GPH firing rate

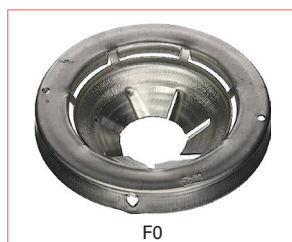
OIL BURNER



PEDESTAL KIT

Part No.	Description
5685	Base Mount
5606	Extended Pedestal
5770	4 x 4 Mounting Box

Beckett



BURNER HEAD

Burner heads used with AF, AFG, SF and SR air tubes. Use B10 burner head with AFGMD air tube. Stainless steel heat shield; ceramic not included except where indicated. Refer to cross

specific replacement applications

Beckett

Part No.	Use with
F0	AF, AFG, SF, SR
F4H	AF, AFG, SF, SR
F6	AF, AFG, SF, SR
F12H	AF, AFG, SF, SR
F22H	AF, AFG, SF, SR
F31H	AF, AFG, SF, SR
B10L1	AFG(M)
51615	F0 requiring ceramic
51360	F3 requiring ceramic

OIL BURNER ACCESSORIES



HAGO NOZZLE

Hago
PRECISION NOZZLES

Part No.	Flow (GPH)	Spray Angle (Degree)
H5060B	0.5	60
H5080B	0.5	80
H5090A	0.5	90
H6060B	0.6	60
H6080B	0.6	80
H6545B	0.65	45
H6560A	0.65	60
H6560B	0.65	60
H6560W	0.65	60
H6580A	0.65	80
H6580B	0.65	80
H7080A	0.7	80
H7560A	0.75	60
H7560B	0.75	60
H7560W	0.75	60
H7580A	0.75	80
H7580B	0.75	80
H7580W	0.75	80
H8545B	0.85	45
H8560A	0.85	60
H8560B	0.85	60
H8560W	0.85	60
H8570A	0.85	70
H8580A	0.85	80
H8580B	0.85	80
H8580W	0.85	80
H9080B	0.9	80
H10045B	1.0	45
H10060A	1.0	60
H10060B	1.0	60
H10060W	1.0	60
H10080A	1.0	80
H10080B	1.0	80
H10090B	1.0	90
H11060A	1.1	60
H11060W	1.1	60
H11080A	1.1	80
H11080B	1.1	80
H11080W	1.1	80
H12080A	1.2	80
H12080B	1.2	80
H12560A	1.25	60
H12560B	1.25	60
H12560W	1.25	60

Continued on next page

Part No.	Flow (GPH)	Spray Angle (Degree)
H12580A	1.25	80
H12580B	1.25	80
H12580W	1.25	80
H13560B	1.35	60
H15080A	1.5	80
H15080B	1.5	80
H16580A	1.65	80
H17580A	1.75	80
H17580B	1.75	80
H20060A	2.0	60
H20060B	2.0	60
H20060W	2.0	60
H20080B	2.0	80
H22560A	2.25	60
H22560B	2.25	60
H22580A	2.25	80
H25060A	2.5	60
H25060B	2.5	60
H25060W	2.5	60
H25080A	2.5	80
H25080B	2.5	80
H25080W	2.5	80
H30060A	3.0	60
H30080A	3.0	80



A06SA6

IGNITION TRANSFORMER

- Universal gas and oil burner replacement units
- Iron core and electronic models
- Epoxy filled industrial models available
- 6, 8.5, 10, 12 and 14 kV models



Part No.	Description
A06SA6	Universal Industrial 6,000 V
A08SA1	Universal Industrial 8,500 V
A10LA22	120 Volt Primary, 10,000 Volt Secondary, 22 mA, 250 VA
A10S32	Lennox Replacement
A10SV10	10 kV Baseless Replacement Transformer
A10SV35	10 kV Baseless Replacement Transformer
LJH90A	10 kV Universal Replacement Transformer
XDBK103	Beckett A, AF OEM Replacement
XDWN202	Wayne M, MH OEM Replacement
XDWN208	Wayne E OEM Replacement
1092F	Ignition Transformer, Gas Applications, 120V
A10SF10	Ignition Transformer, 120V, 60Hz, Baseless
A10SQ182	Ignition Transformer, Baseless, 120V, 60Hz
A10SV351	Ignition Transformer, Baseless, 120V, 60Hz
XDDC212	OEM Replacement Ignition Transformer, 120V, 60Hz



4070B

NOZZLE

Hollow-cone Type A nozzles are mainly used on burners with a hollow cone air pattern and for through-puts up to 2 GPH. The droplet distribution is concentrated on the outside of the cone and results in good ignition and

low-noise combustion. Solid-cone Type B nozzles produce a spray that distributes droplets fairly uniformly throughout the complete pattern. The spray pattern becomes progressively more hollow at higher flow rates, particularly above 8 GPH. Provides smooth ignition and efficient combustion, particularly in large burners. Type W all purpose nozzles are neither truly hollow nor solid. These nozzles frequently can be used in place of either solid or hollow cone nozzles between 0.40 and 8 GPH, regardless of the burner's air pattern. The lower flow rates tend to be more solid.



Part No.	Delavan		Hago		Flow (GPH)	Spray Angle (Degree)
	Available Pattern (*)	Part No.	Available Pattern (*)			
4070B*	B				0.4	70
5590W*	W	H5590W	W		0.55	90
6545B*	B	H6545B	B		0.65	45
8545B*	B	H8545B	B		0.85	45
10030B*	B				1.0	30
10045B*	B	H10045B	B		1.0	45
13545A*	A				1.35	45
17530A*	A				1.75	30
20090A*	A				2.0	90
22545B*	B				2.25	45
22560B*	B	H22560(*)	A,B		2.25	60
30045A*	A				3.0	45
30090A*	A				3.0	90
35090A*	A				3.5	90
45090B*	B				4.5	90
50030A*	A				5.0	30
50060A*	A				5.0	60
60030W*	W				6.0	30
60060A*	A				6.0	60
60080A*	A				6.0	80
60090B*	B				6.0	90
80080A*	A				8.0	80
85080A*	A				8.5	80
120080A*	A				12.0	80
120090A*	A				12.0	90

*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to www.P65Warnings.ca.gov

OIL BURNER ACCESSORIES



287371

NOZZLE ADAPTOR

Used as a coupling between the nozzle and the oil line from the pump. The Adaptrap is a nozzle adapter that helps prevent afterdrip, drooling during the off period. Helps eliminate erratic spray and flame flutter on burner

shut-off.

- Dimension: 1 3/8" L x 1/8" FPT
- Brass construction



Part No.	Description
287371*	Standard Adaptor



34478

NOZZLE WRENCH

- Passes through the small openings of the flame retention-disc. Just snap off the outer socket and use the inner socket alone to remove the nozzle.
- For wider openings, snap on the outer socket and use like a

standard nozzle changer.



Part No.	Description
34478*	2 in 1 Nozzle Changer



A1YA7912

SINGLE STAGE FLANGE MOUNT

- Single pipe installations to 6" Hg. vacuum
- Two-pipe installations to 12" Hg. vacuum
- Lift or gravity feed applications with 10 psi max. inlet/return pressure

- Suitable for No. 2, No. 1 fuel oil, or kerosene
- Mounting in any position
- Factory set at 100 psi
- Adjustable range 100-150 psi at 3450 rpm, 100-135 psi at 1725 rpm
- Rotation and port location as viewed from shaft end
- Strainer and nozzle rating: A1V, A2V series: 3 GPH 100 psi; A1Y series: 7 GPH 100 psi



Part No.	RPM	Rotation	Nozzle Location
A1YA7912*	1725	CW	Right
A1YC7914*	1725	CCW	Left
A2VA7116*	3450	CW	Right

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B1VA8212

TWO STAGE FLANGE MOUNT

- Two pipe installations up to 17" Hg. vacuum
- Lift or gravity feed applications with 10 psi max. inlet/return pressure
- Factory set at 100 psi
- Pressure adjustable from 100-150

- psi at 3450 rpm, 100-135 psi at 1725 rpm
- Suitable for No. 2, No. 1 fuel oil, or kerosene
- Mounting in any position except upside down
- Rotation and port location as viewed from shaft end
- Strainer and nozzle rating: 3 GPH 100 psi



Part No.	RPM	Rotation	Nozzle Location
B1VA8212*	1725	CW	Right



*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to www.P65Warnings.ca.gov

QUICK-SLING



QSWI1000

QUICK SWIVEL, U MOUNT, WITH H BRACKET

- The Quick Swivel provides you with a non-swinging, rotating platform that is quick, safe, stable and affordable. It can easily be installed in residential or commercial applications. Turn the Swivel in any direction you need,

then lock it in place.

- The Quick Swivel is made with 14-gauge steel able to hold 200 lbs. The swivel allows for 360 degree rotation for setting the perfect direction of air flow.
- Each arm attaches to wood using 2 zip screws for stability and a 4" through bolt and wing nut for security. It can also be installed to steel using the steel beam adapters.
- Extension arms individually adjust in 1" increments using thumb screws and wing nuts for speed and versatility. This U mount installs as high as 19.5" or as low as 27.5" on flat or pitched roofs.
- 12 points of anti-vibration isolation is provided along with 3 hitch pins for the H bracket. This adds to the safety and sturdiness of the Quick Swivel.
- Installation can be accomplished in minutes because all necessary hardware is provided.
- Use with Reznor UDAP30, UDAS30

QUICK-SLING™

Part No.	Description
QSWI1000	Swivel "U" Mount, with H Bracket, 200 Lbs Max Hold



QSWI3000

FLUSH MOUNT SWIVEL WITH H BRACKET

- The Quick Swivel provides you with a non-swinging, rotating platform that is quick, safe, stable and affordable. It can easily be installed in residential or commercial applications. Turn the Swivel in any direction you need,

then lock it in place.

- Made with 14-gauge steel able to hold 200 lbs. The swivel allows for 360 degree rotation for setting the perfect direction of air flow.
- The flush mount hanger is slotted to receive a 3/8 lag bolt 16" or 24" on center. It can be attached parallel or perpendicular to the joist.
- The square steel tubing cuts down on vibration while 3 hitch-pins add to the safety and sturdiness of the Quick Swivel with H bracket.
- Installation can be accomplished in minutes because all necessary hardware is provided.
- Use with Reznor UDAP30?125, UDAS30?125

QUICK-SLING™

Part No.	Description
QSWI3000	Flush Mount Swivel, with H Bracket, 200 Lbs Max Hold

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- Replacement Parts & Supersedes**
Ensure compatibility and efficiency with
the most up-to-date components.

GAS ACCESSORIES



CONNECTION 1/2" MPT X 1/2" FPT



Part No.	Connection Size (In.)	Robert Part No
30313212	1/2 MPT X 1/2 FPT	S7812H
30313218	1/2 MPT X 1/2 FPT	S7818H
30313224	1/2 MPT X 1/2 FPT	S7824H
30313236	1/2 MPT X 1/2 FPT	S7836H
30313248	1/2 MPT X 1/2 FPT	S7848H



CONNECTION 1/2" MPT X 1/2" FPT BALL VALVE



Part No.	Connection Size (In.)	Robert Part No
20313518	1/2 MPT X 1/2 FPT	S1218V1
20313524	1/2 MPT X 1/2 FPT	S1224V1
20313530	1/2 MPT X 1/2 FPT	S1230V1
20313536	1/2 MPT X 1/2 FPT	S1236V1
20313548	1/2 MPT X 1/2 FPT	S1248V1
30313524	1/2 MPT X 1/2 FPT	S7824R5



CONNECTION 1/2" MPT X 1/2" MPT



Part No.	Connection Size (In.)	Robert Part No
30313112	1/2 MPT X 1/2 MPT	S7812I
30313118	1/2 MPT X 1/2 MPT	S7818I
30313124	1/2 MPT X 1/2 MPT	S7824I
30313130	1/2 MPT X 1/2 MPT	S7830I
30313136	1/2 MPT X 1/2 MPT	S7836I
30313148	1/2 MPT X 1/2 MPT	S7848I
30313160	1/2 MPT X 1/2 MPT	S7860I



CONNECTION 1/2" MPT X 3/4" FPT



Part No.	Connection Size (In.)	Robert Part No
30314224	1/2 MPT x 3/4 FPT	S7824E
30314236	1/2 MPT x 3/4 FPT	S7836E
30314248	1/2 MPT x 3/4 FPT	S7848E



CONNECTION 3/4" FPT X 3/4" FPT



Part No.	Connection Size (In.)	Robert Part No
30424212	3/4 FPT x 3/4 FPT	S7812B
30424218	3/4 FPT x 3/4 FPT	S7818B
30424224	3/4 FPT x 3/4 FPT	S7824B
30424230	3/4 FPT x 3/4 FPT	S7830B
30424236	3/4 FPT x 3/4 FPT	S7836B
30424248	3/4 FPT x 3/4 FPT	S7848B
30424260	3/4 FPT x 3/4 FPT	S7860B



GAS COCK



Part No.	Connection Size (In.)
GC38	3/8 FPT
GC12	1/2 FPT
GC34	3/4 FPT
GC38X12	3/8 MFL x 1/2 FPT
GC12X12	1/2 MFL x 1/2 FPT
GC38X38	3/8 MFL

SHUT OFF



BALL, FULL PORT, PACKING GLAND, SWEAT



Part No.	Nominal Size (In.)	Ship Wgt (Lbs.)
12FBVSE	1/2	0.34
34FBVSE	3/4	0.66
1FBVSE	1	1.06
114FBVSE	1 1/4	1.51
112FBVSE	1 1/2	2.34
2FBVSE	2	3.65
212FBVSE	2 1/2	6.49
3FBVSE	3	8.71
4FBVSE	4	16.75



BALL, FULL PORT, PACKING GLAND, FPT



Part No.	Nominal Size (In.)	Ship Wgt (Lbs.)
14FBVE	1/4	0.28
38FBVE	3/8	0.29
12FBVE	1/2	0.45
34FBVE	3/4	0.66
1FBVE	1	1.10
114FBVE	1 1/4	1.63
112FBVE	1 1/2	2.39
2FBVE	2	3.56
212FBVE	2 1/2	6.49
3FBVE	3	9.03
4FBVE	4	16.17



EXTENSION HANDLE

Stem extensions compatible with FBVE series



Part No.	Size (In.)	Ship Wgt (Lbs.)
889823	1/2 - 3/4	0.17
889825	1 - 1 1/4	0.19
889827	1 1/2 - 2	0.23
889829	2 1/2 - 4	0.47



GATE, SWEAT

For general service on water, steam, oil or compressed gas.

- Threaded bonnet
- Nonrising stem
- Bronze body: 125 WSP/200 WOG



Part No.	Nominal Size (In.)	Ship Wgt (Lbs.)	OD (In.)
12S29	1/2	0.57	5/8
34S29	3/4	0.82	7/8
1S29	1	1.14	1 1/8
114S29	1 1/4	2.00	1 3/8
112S29	1 1/2	2.15	1 5/8
2S29	2	3.35	2 1/8



GATE, FPT

For general service on water, steam, oil or compressed gas.

- Threaded bonnet
- Nonrising stem
- Bronze body: 125 WSP/200 WOG

Part No.	Ship Wgt (Lbs.)
12T29	0.54
34T29	0.58
1T29	1.18
114T29	2.00



STOP AND WASTE, SWEAT



Part No.	Nominal Size (In.)	Ship Wgt (Lbs.)	OD (In.)
72612	1/2	0.50	5/8
72634	3/4	0.30	7/8



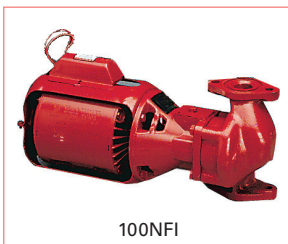
BOILER DRAIN

- MPT x male hose thread



Part No.	Connection Size (In.)	Ship Wgt (Lbs.)
7412	1/2	0.40
7434	3/4	0.43

CIRCULATOR PUMP



100NFI

100 SERIES BOOSTER

The industry standard for hydronic heating systems. Specifically designed to be easily serviced in the field with replaceable motor, bearing assembly, coupler, seal

and impeller. Both the motor and the sleeve bearing frame are lubricated with oil.

- Maximum working pressure: 125 psi
- Maximum operating temperature: 225°F continuous



Part No.	Construction		HP	Cutoff		Maximum Temperature (°F)	Performance Chart Code	Length (In.)	Ship Wgt (Lbs.)
	Body	Impeller		GPM	Head (Ft.)				
100NFI	Cast Iron	Nonferrous	1/12	33.0	8	225	A	14.88	20.40
106197	Bronze	Nonferrous	1/12	33.0	8	225	A	14.88	20.45
106192	Bronze	Brass	1/12	33.0	8	225	A	14.88	20.55
102210 ¹	Cast Iron	Nonferrous	1/6	40.0	12	225	B	15.38	29.05
102213 ¹	Bronze	Nonferrous	1/6	40.0	12	225	B	15.38	30.00

¹ HV Series Pumps



102214

HIGH GPM RESIDENTIAL

Residential pumps with large volute for higher flow capacities.



Part No.	Construction		HP	Cutoff		Performance Chart Code	Length (In.)	Ship Wgt (Lbs.)
	Body	Impeller		GPM	Head (Ft.)			
102214	Cast Iron	Non-ferrous	1/6	75.0	10	C	16.63	37.58



LR20

COMPACT, OIL LUBRICATED

Unique design fills the void where wet rotor circulators may not be applicable and the standard three-piece booster pump is too large.

- Maximum working pressure: 125 psi
- Maximum operating temperature: 225°F

- Impeller is glass filled



Part No.	Construction		HP	Cutoff		Maximum Temperature (°F)	Performance Chart Code	Length (In.)	Ship Wgt (Lbs.)
	Body	Impeller		GPM	Head (Ft.)				
LR20	Cast Iron	Noryl	1/20	20.0	12	225	D	6.94	9.85
LR15B	Bronze	Noryl	1/12	25.0	14	225	E	7.94	8.80



NRF22

COMPACT, WET ROTOR

A residential or light commercial, maintenance free, axial flanged, in-line, cast iron, wet rotor circulation pump for hydronic heating systems.

- Impeller is 30% glass filled

- Maximum working pressure: 150 psi



Part No.	No. of Speeds	Construction		HP	Watts	Cutoff		Maximum Temperature (°F)	Performance Chart Code	Length (In.)	Ship Wgt (Lbs.)
		Body	Impeller			GPM					
NRF22	1	Cast Iron	30% Glass Filled Noryl	1/25	92	22.0		240	F	6.19	6.80
NRF25	3	Cast Iron	30% Glass Filled Noryl	1/15	125	24.5		225	H	6.19	9.32
NRF33	1	Cast Iron	30% Glass Filled Noryl	1/15	125	37.0		225	G	5.56	10.40



1BL012

COMPACT, SERIES PL™

- Powerful, dry-motor design delivers exceptional performance
- XL-11™ Precision-Crafted Bearing System
- Permanently oil lubricated
- Completely maintenance free
- Advanced close-coupled design

- Tough, durable seal system features a carbon/silicon carbide seal on a stainless steel shaft sleeve for long life and rugged operation
- Maximum working pressure: 150 psi
- Maximum operating temperature: 225°F
- Body construction: cast iron
- Impeller construction: 30% glass filled Noryl®
- 1BL034 (PL-75) has a 4-bolt hole flange connection, all others have a 2-bolt hole flange connection



increases pump life and efficiency, assures dependable seasonal start-ups and can easily handle difficult water conditions

Part No.	Construction		HP	Cutoff		Maximum Temperature (°F)	Length (In.)	Ship Wgt (Lbs.)
	Body	Impeller		GPM	Head (Ft.)			
1BL012*	Cast Iron	30% glass filled Noryl®	1/12	30.0	25	225	8.63	11.60
1BL001*	Cast Iron	30% glass filled Noryl®	1/6	40.0	38	225	8.63	13.00
1BL002*	Cast Iron	30% glass filled Noryl®	1/6	48.0	30	225	9.13	14.50
1BL034*	Cast Iron	30% glass filled Noryl®	1/6	70.0	15	225	9.94	18.50

*WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to www.P65Warnings.ca.gov

CIRCULATOR PUMP



ALPHA1555F

ALPHA SERIES

With the Grundfos ALPHA, you can stop worrying about complicated pump settings. Simply install the pump and leave it on the factory setting AUTOADAPT. The ALPHA will automatically analyze the heating system, find the optimum

setting and continue to adjust its operation to changes in demand. With its permanent magnet motor design, this energy efficient circulator will reduce power consumption up to 80%. Ensuring lowest possible energy consumption without sacrificing comfort.

The Grundfos ALPHA is designed for circulating liquids in light commercial and residential heating systems.

- Compact permanent magnet maintenance-free wet rotor technology
- Nut capture flanges
- Available with integrated terminal box or line cord option
- Simple one button hydraulic selection
- 7 hydraulic selections available: 3 fixed speeds options, 3 constant pressure options, AutoAdapt
- Real time LED display: Watts indicator, GPM flow estimation indicator, Hydraulic mode selection
- Metallurgical options: Cast-iron, Stainless steel
- Integrated check valve



Part No.	Construction	HP	Cutoff		Maximum Temperature (°F)	Length (In.)	Ship Wgt (Lbs.)
	Body		GPM	Head (Ft.)			
ALPHA1555F	Cast Iron	1/12	21.0	18	230	6.50	7.20



UPS1558FC

3-SPEED, "SUPER BRUTE"

- Eliminates More Than a Dozen Competitive Models
- 3 Speed Motor Technology
- Reduces Noise and Power Consumption
- Unique "Removable" Integrated Check Valve, Minimal Flow

- Highest Performance and Torque of any Standard Wet Rotor Circulator
- Zone valve close off reliability can be significantly improved
- Prevents thermo-siphoning
- Allows for minimal system flow
- Provides flexibility in installations
- Eliminates the expense for an inline check valve
- Ideal for Zoning



Part No.	Construction	HP	Cutoff		Maximum Temperature (°F)	Length (In.)	Ship Wgt (Lbs.)
	Body		GPM	Head (Ft.)			
UPS1558FC	Cast Iron	1/25	17.0	19	230	5.25	7.25
UPS2699FC	Cast Iron	1/6	33.0	29	230	5.25	10.30

Restriction



007E

ECM HIGH EFFICIENCY CIRCULATOR

- High-efficiency wet rotor circulator with an ECM permanent magnet motor, uses up to 85% less electricity
- Ideal for hydronic systems zoned with circulators or zone valves
- BIO Barrier® protects pump from

- Integral Flow Check (IFC®) included
- Optional 2-way flange model reduces SKU's and provides universal fit-up to any flange position
- Use with a Taco ZVC Zone Valve Control or SR Switching Relay for ON/OFF operation
- Dual electrical knockouts, 6" stranded wire leads included for easy wiring
- Double insulated. No ground wire required
- Whisper quiet operation



Part No.	Cutoff		Maximum Temperature (°F)	Length (In.)	Ship Wgt (Lbs.)
	GPM	Head (Ft.)			
007E*	16.0	10	230	6.00	6.00
0015E	16.0	5, 10, 18	230	6.00	5.80

system contaminants

- SureStart™ automatically frees locked rotor condition and self-purges air from pump



007F

CARTRIDGE STYLE

Designed for use in hydronic heating, chilled fresh water systems, and domestic water systems. The unique replaceable cartridge contains all the moving parts and allows the circulator to

be serviced instead of replacing the entire unit. Self-lubricating, contains no mechanical seal, and requires no maintenance.

- Construction: Cast iron body with a nonmetallic impeller
- Maximum pressure rating: 125 psi
- Maximum temperature rating: 240°F



Part No.	HP	Cutoff		Maximum Temperature (°F)	Length (In.)	Ship Wgt (Lbs.)
		GPM	Head (Ft.)			
007F	1/25	20.0	11	240	6.44	7.45



0013

CARTRIDGE STYLE , HIGH VELOCITY

Designed for high head / high flow applications in large residential and light commercial systems. Ideal for high pressure drop boilers, fan coil units, heat exchangers, larger radiant systems, heat recovery and

geothermal systems. The exclusive ACB (Anti-Condensate Baffle) anti-condensate baffle with ambient air flow prevents the build up of condensate on the motor windings when pumping chilled water. Its unique field-serviceable cartridge contains all moving parts and allows for easy service instead of replacing the entire circulator. With no mechanical seal, the self-lubricating, maintenance free design provides unmatched reliability.

- Max. working pressure: 150 psi
- Max. fluid temperature: 230°F
- Cast iron construction



geothermal systems.

The exclusive ACB (Anti-Condensate Baffle) anti-condensate

Part No.	HP	Cutoff		Maximum Temperature (°F)	Length (In.)	Ship Wgt (Lbs.)
		GPM	Head (Ft.)			
0013	1/6	33.0	33	230	7.50	12.15



00RMSF1IFC

CARTRIDGE STYLE, RADIANT, 3-SPEED

Specifically designed for the flow and head requirements of today's radiant heat systems. Its 3-Speed switching capability provides fine tuning control to match a wide combination of tube diameters and length of runs. The 00R 3-Speed

- Highest performance and starting torque in class
- Removable high-flow Integral Flow Check (IFC®)
 - Prevents gravity flow
 - Reduces installation costs
 - Improves pump performance
- Replaceable cartridge design
- Self lubricating, no mechanical seal
- Cast Iron
- Maximum working pressure: 125 psi
- Maximum fluid temperature: 230°F



Radiant pump is a direct replacement for the Grundfos UPS 15-58 3-Speed.

- Fine tune to system requirements

Part No.	HP	Cutoff		Maximum Temperature (°F)	Length (In.)	Ship Wgt (Lbs.)
		GPM	Head (Ft.)			
00RMSF1IFC	1/20	18.0	21	230	6.50	7.06

CENTRIFUGAL PUMP



3902B1

CLOSE COUPLED

Closed-coupled, end suction design offers the advantages of space saving and lower cost due to elimination of the need for a base plate, bearing frame, special coupling and guard. Standard

NEMA pump motors are used throughout. Tangential discharge and back pull out design are featured.

- Maximum fluid temperature: 180°F continuous
211°F intermittent
- Maximum working pressure: 125 psi
- Construction: cast iron volute, brass impeller



Part No.	HP	Voltage	Connection Size (In.)		Dimensions (In.)			Ship Wgt (Lbs.)
			Suction	Discharge	H	W	L	
3902B1	1/3	115	1 1/4	1	8.75	8.38	14.06	39.00
3903B1	1/2	115	1 1/4	1	8.75	8.38	14.44	39.00
3903B3	1/2	115	1 1/4	1	8.75	8.38	14.44	38.00
3905B1	1	115	1 1/2	1 1/4	8.75	8.38	15.88	49.00
3906B1	1 1/2	115	1 1/2	1 1/4	8.75	8.38	16.88	54.00
3907B1	2	115	2	1 1/2	9.00	9.25	17.06	63.00
3908B1	3	115	2	1 1/2	9.00	9.25	18.06	78.00



3902BP

VOLUTE ONLY

Replacement pump ends; no motor supplied. Use pump chart if proper HP motor is applied.

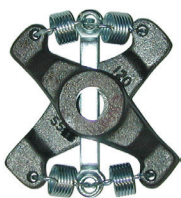
- Construction: cast iron volute, brass impeller



Part No.	Connection Size (In.)		Dimensions (In.)		Ship Wgt (Lbs.)
	Suction	Discharge	H	W	
3902BP	1 1/4	1	8.75	8.38	25.00
3903BP	1 1/4	1	8.75	8.38	25.00
3905BP	1 1/2	1 1/4	8.75	8.38	28.00
3906BP	1 1/2	1 1/4	8.75	8.38	28.00
3907BP	2	1 1/2	9.00	9.25	35.00
3908BP	2	1 1/2	9.00	9.25	35.00
3909BP	2	1 1/2	9.19	12.13	43.00
3910BP	2	1 1/2	9.19	12.13	43.00

PUMP ACCESSORIES AND REPAIR

COUPLER



118705



Bell & Gossett®

Part No.	Description	Use with
118705	Coupler 1/2" x 1/2", spring type, cast	Series 100, HV, 2", PR, 1", 1 1/4", 1 1/2", 2"
118473	Coupler 1/2" x 1/2", spring type, cast	PD-35, PD-37, 60 "AA", 1522, MF 60 with 5 1/4" and 6 1/4" impellers
118708	Coupler 3/4" x 5/8", spring type, cast	PD-35, PD-37, 60 "AA"
118709	Coupler 5/8" x 1/2", spring type, cast	PD-35, PD-37, 60 "AA", 1522
186410	Coupler 5/8" x 1/2", spring type, cast	PD-38, PD-39, PD-40, 60 "A"
118723	Coupler 1/2" x 1/2", spring type, cast	2 1/2", LD-3, HD-3, HLD-3, HHD-3

BEARING



118844



Bell & Gossett®

Part No.	Description	Use with
118844	Bearing assembly	Series 100, cast iron
185260	Bearing assembly, bronze fitted only	PD-38, PD-39, PD-40, 60 "A"
185332	Bearing assembly	MF60 [5 1/4, 6 1/4" impellers]
186863	Bearing assembly	PD-35, PD-37, 60 "AA", 1522, , bronze fitted or all bronze
189034	Bearing assembly	Series 100, , bronze fitted
189105	Bearing assembly	PR, 2 1/2", LD-3, HD-3
189134	Bearing assembly	Series 100, cast iron, [includes NFI impeller]
189162	Bearing assembly	1", 1 1/4", 1 1/2" [old models]
189163	Bearing assembly	1 1/2", 2", HV [old models], , cast iron with bronze impeller
189165	Bearing assembly	HV, 2" [new], 1 1/2" [old], cast iron or bronze

IMPELLER



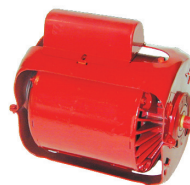
118431



Bell & Gossett®

Part No.	Description	Use with
118431	Impeller, 2.75" diameter, brass	Series 100
118435	Impeller, 3.31" diameter, brass	1 1/4", 1 1/2" [old]
118436	Impeller, 3.375" diameter, brass	HV, 1 1/4", 1 1/2", 2" [old]
118612	Impeller, 4.25" diameter, brass	PR
118668	Impeller, 3.375" diameter, steel	HV, 2" [old]
118675	Impeller, 4.25" diameter, steel	HD-3
118629	Impeller, 5.25" diameter, steel	Series 60
189128	Impeller, 3.375" diameter, NFI	HV, 2"
189132	Impeller, 2.75" diameter, NFI	Series 100

MOTOR



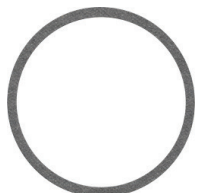
111034



Bell & Gossett®

Part No.	HP	Voltage	RPM	Rotation	No. of Speeds	Shaft (In.)	
						Diameter	Length
111034	1/12	115	1725	CCWOSE	1	1/2	1/2
111061	1/6	115	1725	CCWOSE	1	1/2	1/2
111031	1/6	115	1725	CCWOSE	1	1/2	1/2
111040	1/4	115	1725	CCWOSE	1	1/2	1/2
111042	1/3	115	1725	CCWOSE	1	1/2	1/2

PUMP ACCESSORIES AND REPAIR



P04080

GASKET-SEAL KIT

Pumps that use 1/2" seal include Series 100, HV, 2", PR, 2 1/2", LD-3, HD-3, PD-35, PD-37, 60"AA", 1522, 1", 1 1/4", 1 1/2", 2"



Bell & Gossett®

Part No.	Description	Use with
P04080	Body Gasket, 2 3/4"ID x 3"OD	Series 100
P04890	Body Gasket, 3 1/2"ID x 3 3/4"OD	(B&G) 1", 1 1/4", 1 1/2", 2", HV[old and new]
P05800	Body Gasket, 4 1/4"ID x 4 3/4"OD	2 1/2", LD-3, HD-3, PR
P48690	Body gasket	80, 1510, 1531
P57410	Body Gasket, 5 1/4"ID x 5 1/2"OD	PD-35, PD-37, 60"AA", 1522, MF60(5 1/4, 6 1/4" impellers)
P57700	Body Gasket, 7 5/64"ID x 7 27/32"OD	60"A"
P58542	Adapter Ring Gasket	Series 60
118129	Flange gasket set	2 1/2" LD-3, HD-3, PD-35, PD-37, PD-38, PD-40, PD-39, MF60 3 x 5 1/4, PL130
118351	Flange gasket set	Series 100 [obsolete], 1"
118368	Flange gasket set	Series 100, LR, PL30, PL36, PR, 60AA 1, 1 1/4", PL55, 1 1/4"
118373	Flange gasket set	PL45, PL50, HV[new and old], 1 1/2", 60A 1 1/2", 60AA 1 1/2"
118378	Flange gasket set	2", 60 AA, 60 A, MF60, PL-75, PL-130
118680	Seal kit less seat insert	1/2" seal pumps
118681	Seal kit 7	1/2" seal pumps
186681	Seal kit 6	All S/H 2-5 Series Pumps
186499	Seal kit	PD-38, PD-39, PD-40, 60"A", 60 2 1/2F



PCV100

CHECK VALVE

resideo

Part No.	Size (In.)	Cutoff GPM	Use with
PCV100	1	34.0	PC3F1558IUF00/U, PCG100/U



110251

FLANGE

Cast iron flange - use with Taco circulators and competing models with 2 5/8" bolt centers.



Part No.	FPT (In.)
110251	3/4
110252	1
110253	1 1/4
110254	1 1/2



34FLG

FLANGE, SERIES 100

Flanges for use with Bell & Gossett and competing booster pumps with 2 5/8" bolt centers.

- Shipped 2 to a package with bolts and nuts

34B and 1B are



Bell & Gossett®

bronze flanges

Part No.	FPT (In.)
34FLG	3/4
34BFLANG	3/4
1FLG	1
1BFLG	1
114FLG	1 1/4
112FLG	1 1/2



1HVFLG

FLANGE, HV SERIES



Bell & Gossett®

Part No.	FPT (In.)
1HVFLG	1
114HVFLG	1 1/4



THE ISOLATOR® WITH ROTATING FLANGE AND MULTI-FUNCTION DRAIN

Full port forged brass uni-flange ball valve with detachable rotating flange, multi-function drain, adjustable packing gland, nuts and bolts

360° flange rotation and the

capability to purge from either side of the pump. Install these valves at any degree of rotation necessary for your specific installation.

- Unique uni-body design is preserved
- Fully removable outer flange secured by snap ring
- Multi-function drain
- 3-Way valve purges before or after the pump
- 600 WOG, ISO 9001

Webstone
VALVE INNOVATION

Part No.	Connection	
	Size (In.)	Type
41413W	3/4	FPT
51413W	3/4	Sweat



THE ISOLATOR® UNI-FLANGE BALL VALVE

Full port forged brass ball valve with adjustable packing gland, bonus wing style "T" handle, nuts and bolts

- Unique uni-body design
- Blowout proof stem

- Adjustable packing gland
- Conical inlet to minimize turbulence
- Slotted holes for high velocity pumps
- Fits virtually every circulator pump
- 600 WOG, ISO 9001

Webstone
VALVE INNOVATION

Part No.	Connection	
	Size (In.)	Type
40403W	3/4	FPT
40404W	1	FPT
40405W	1 1/4	FPT
50403W	3/4	Sweat
50404W	1	Sweat
50405W	1 1/4	Sweat

HYDRONIC SPECIALTY



EXPANSION TANK

A diaphragm-type expansion tank that is pre-pressurized with a standard charge of 12 psi. Welded-steel construction and its diaphragm is a rugged, flexible, long-life material that keeps system water and air separate.

- Fill-Trol tank accepts automatic fill/pressure reducing check valve 109076
- Install into T or air purging device
- Maximum working pressure: 100 psi
- Maximum temperature: 240°F
- System capacity at 30 psi relief, 40-70°F fill temperature, 12 psi fill pressure
- Connection: 1/2" MPT
- Tank air charge is adjustable

WATTS®

Part No.	Type	Tank - Acceptance Volume (Gal.)	System Capacity (Gal.)	Connection		Height (In.)	Ship Wgt (Lbs.)
				Size (In.)	Type		
15T	Extrol	2.0/1.0	29	1/2	MPT	8.40	5.00
109133	Fill-trol	2.0/1.0	29	1/2	MPT	12.63	5.00
30T	Extrol	4.4/2.5	64	1/2	MPT	16.60	9.00
110002	Fill-trol	4.4/2.5	64	1/2	MPT	15.50	9.00
60T	Extrol	7.6/2.5	87	1/2	MPT	23.00	10.85



FILL-TROL® VALVE

Use with 100000 Series Fill-trol tank to provide pressure reducing automatic system fill to tank charge. With tank, regulates water expansion and minimum system pressure. Check valve prevents backflow.

AMTROL

Part No.	Description	Height (In.)	Ship Wgt (Lbs.)
109076	Fill-Trol® Valve	2.20	0.78



FILL-TROL PACKAGE

Combination package includes Fill-trol tank and valve, air purger and automatic air vent model 700C.

AMTROL

Part No.	Tank Model	Purger model	Line Size (In.)	Ship Wgt (Lbs.)
109P11/4	109133	444PV	1 1/4	10.00
110P11/4	110002	444PV	1 1/4	12.75

HYDRONIC SPECIALTY



EXPANSION TANK PRO SERVICE VALVE™

Full port forged brass ball valve with hi-flow hose drain. Designed for residential or light commercial use with water or oil. Allows for isolation and draining of an expansion tank in a closed loop hydronic heating system. It is

actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends.

Webstone
VALVE INNOVATION

Part No.	Size (In.)	Connection		Ship Wgt (Lbs.)
		Type		
41672W	1/2	FIP x MIP x FIP x Hose		0.87



THE ISOLATOR® E-X-P SERVICE VALVE, LEAD FREE

Tankless water heater service valve kit that includes hot and cold set of full port forged brass ball valves with hi-flow drains, pressure relief valve outlet (150 PSI / 200,000 btu) and adjustable packing gland. This kit is

compatible with all tankless water heaters that have 3/4" NPT hot/cold water outlets.

- Lead free
- 304 Stainless steel wing handle for easy actuation of the main ball
- Color coded insulator rings for easy identification of hot and cold valves
- Aluminum handle for easy actuation of the drain ball

Webstone
VALVE INNOVATION

Part No.	Size (In.)	Connection	
		Type	
50443WPR	3/4	IPS Union x SWT	



THE ISOLATOR® E-X-P E2™ SERVICE VALVE, LEAD FREE

Compact version of the original E-X-P.

Tankless water heater service valve kit that includes hot and cold set of full port forged brass ball valves with hi-flow

drains, pressure relief valve outlet and adjustable packing gland. This kit is compatible with all tankless water heaters that have 3/4" NPT hot/cold water outlets.

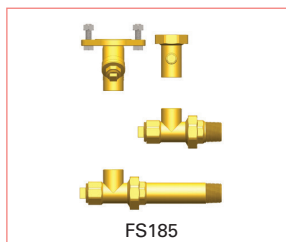
Kit includes:

- Residential pressure relief valve (150 PSI / 200,000 btu)
- Hot water valve, red: 3/4" IPS Valve x 3/4" IPS Union x 3/4" Hose Drain Valve x 3/4" IPS Outlet for pressure relief valve (hose drain cap included)
- Cold water valve, blue: 3/4" IPS Valve x 3/4" IPS Union x 3/4" hose drain valve (hose drain cap included)

44043PR and 4443WPR have a lead free cleanbrass construction.

Webstone
VALVE INNOVATION

Part No.	Size (In.)	Connection	
		Type	
44043PR	3/4	IPS Union x IPS	
44443WPR	3/4	IPS Union x IPS	



HYDRO-CORE NEAR BOILER COMPONENT KIT

Includes:

- Connection fittings (2)
- Rotating flange "Y" strainer (1)
- Union connection with 1/4" plugged NPT gauge port
- Requires matching Hydro-Core

manifold

- FS Series: floor standing, side mount kit
- FT Series: floor standing, top mount kit

Webstone
VALVE INNOVATION

Part No.	Size (In.)	Connection	
		Type	
FS185	1 1/4	MIP	
FT144	1	FIP	
FT344	1	FIP	



TK30PV100FM

BOILER TRIM PACKAGE

Combo welded tank kit, equipped with butyl diaphragms to separate the air from the system water. Pre-pressurized at 12 psi, the tank keeps fluids circulating and maintains minimum system pressure. Honeywell tanks resist

waterlogging, loss of pressure through relief valve spills, loss of BTUs and reduce circulator running time. Use the super efficient Honeywell SuperVent or air vents to remove air and micro-bubbles from the system for maximum performance.

The Honeywell expansion tank maintains pressure in the system and utilizes the smallest possible space.

- Includes: welded diaphragm tank (TK300-30), SuperVent air and micro-bubble eliminator, and 1/2" boiler fill valve/backflow assembly (FM911).
- Maximum temperature: 240°F
- Maximum working pressure: 100 psi

Part No.	Tank Model	Purger model	Line Size (In.)	Ship Wgt (Lbs.)
TK30PV100FM	TK300-30	PV100	1	16.90
TK30PV125FM	TK300-30	PV125	1 1/4	18.00

resideo



AP400

AIR PURGE VALVE

- Tapped 1/8" for automatic air vent and 1/2" for expansion tank

resideo

Part No.	Connection Size (In.)	Ship Wgt (Lbs.)
AP400	1	4.60
AP401	1 1/4	4.10
AP402	1 1/2	8.40



AS1

AIR SCOOP

Provides complete, continuous purging and venting of air in the hot water heating system when installed in conjunction with any 1/2" outlet tank and 1/8 MPT float vent.

- Maximum pressure: 125 psi

- Maximum temperature: 275°F
- Connection: FPT inlet/outlet, 1/8" FPT for float vent and 1/2" FPT for expansion tank

WATTS®

Part No.	Connection Size (In.)	Ship Wgt (Lbs.)
AS1	1	4.00
AS114	1 1/4	2.00



113055

profile

Part No.	Connection		Height (In.)
	Size (In.)	Type	
113055	1/8	MPT	0.50

AIR VENT, MANUAL

Manual air vent with coin/screwdriver actuating slot.

- Maximum working pressure: 150 psig
- Maximum operating temperature: 240°F
- Low



Bell & Gossett®



113001

AIR VENT, AUTOMATIC

Vents air from closed heating systems.

- Maximum operating temperature: 240°F



Bell & Gossett®

Part No.	Connection		Height (In.)
	Size (In.)	Type	
113001	1/8	FPT	2.30
113020	1/8	MPT	1.90
113021	1/2 FPT, 3/4 MPT	MPT/FPT	2.20



FV418

AIR VENT, AUTOMATIC

Provides automatic air venting for hot or cold water distribution systems. Purges air that may be in the water system.

- Float is high temperature-resistant polyethylene.
- Suitable for use with glycol

systems

- Maximum working temperature: 240°F
- Minimum working pressure: 1.45 psi
- Maximum working pressure: 150 psi

WATTS®

Part No.	Connection		Height (In.)
	Size (In.)	Type	
FV418	1/8	MPT	1.70
FV414	1/4	MPT	1.80

HYDRONIC SPECIALTY



374A3430

PRESSURE RELIEF VALVE, 174A SERIES

- For hot water heating and supply boilers
- Pressure protection only
- 174A: Bronze body construction resists corrosive water conditions
- 374A: Iron body with forged bronze

inlet

- Connection: FPT x FPT



Part No.	Connection		Height (In.)	Capacity (BTUH)	Ship Wgt (Lbs.)
	Size (In.)	Type			
374A3430	3/4	FPT x FPT	1.90	550000	0.50
174A1	1	FPT x FPT	5.75	1005000	2.20



740

PRESSURE RELIEF VALVE, 740 SERIES

- For hot water heating boiler pressure protection
- Expanded outlet drain
- Offers greater discharge capacity than comparable competitive models
- Pressure

setting: 30 psi

- Iron body construction



Part No.	Height (In.)	Capacity (BTUH)	Ship Wgt (Lbs.)
740	3.40	925000	1.86
7401	7.25	1300000	3.70
740114	4.70	2105000	5.19
740112	9.25	2900000	8.35
7402	11.63	5250000	16.00



F8234

SAFETY RELIEF VALVE

Compact and economical pressure only safety relief valves for use on hot water space heating boilers, water supply heaters and storage tanks.

Designed for use on hot water service only and are

NOT to be used on steam. F-82: bronze body, silicone seat disc and stainless steel pressure springs. F-30: all brass body, brass internal parts, a silicone seat disc and a stainless steel pressure spring

- Listed by ASME
- Completely automatic and reseal after pressure relief
- Pressure setting: 30 psi



Part No.	Connection		Height (In.)	Capacity (BTUH)	Ship Wgt (Lbs.)
	Size (In.)	Type			
F8234	3/4	FPT x FPT	5.19	717000	0.68
F30F	3/4	FPT x FPT	3.38	510000	0.38
F30M	3/4	MPT x FPT	3.38	510000	0.18



FV180

AIR VENT, AUTOMATIC

- MPT air vent for water systems
- Solid brass body and cover, high temperature polypropylene float
- Maximum operating pressure: 150 psi

resideo

Part No.	Connection		Height (In.)
	Size (In.)	Type	
FV180	1/8	MPT	2.00



PV075S

SUPERVENT™

Purges air through a no clog vent assembly that controls dirt and debris to minimize air vent fouling.

- 360 degree adjustable collar ring for installation flexibility.
- Stainless steel concentrator which eliminates gurgling noise.
- Bronze body for rigid construction.
- Max. operating pressure: 125 psi

resideo

Part No.	Connection		Flow (Cv)	Height (In.)
	Size (In.)	Type		
PV075S	3/4	Sweat	13.0	1.00
PV100	1	FPT	22.0	2.90
PV100S	1	Sweat	22.0	1.00
PV125	1 1/4	FPT	38.0	2.00
PV125S	1 1/4 nom.	Sweat	38.0	0.00
PV150	1 1/2	FPT	50	0.00

Continued on next page

Part No.	Connection		Flow (Cv)	Height (In.)
	Size (In.)	Type		
PV200	2	FPT	95	1.00
PVU100	1	FPT	22.0	1.00



AIR VENT, LOW PRESSURE MAINS

- For use on hot or cold or glycol water mains and process applications with specific gravity greater than 0.7
- Tapped at top for 1/8" NPT safety drain connection for discharging moisture

- Removable top
- Built-in check valve
- 1/2" NPT female and 3/4" NPT male straight shank
- Maximum operating pressure 75 psig (5.2 bar)*
- Maximum hydrostatic pressure 200 psig (13.8 bar)
- Maximum temperature 250°F (121°C)

Hoffman
SPECIALTY

Part No.	Connection		Type
	Size (In.)	Type	
79	1/2F (3/4M)	FPT x MPT	



PRESSURE-ONLY RELIEF VALVE

Designed specifically for the protection of hot water supply systems where over-pressure conditions are likely to occur as a result of thermal expansion. The valve may be installed directly on the tank or in a tee and is

appropriate for either side (hot or cold) of the water heater.

- Bronze body, brass and stainless steel internal parts, a silicone seat disc and a stainless steel pressure spring
- Listed by ASME
- Completely automatic and reseal after pressure relief
- Pressure setting: 125 psi

CASH ACME

Part No.	Connection		Height (In.)	Capacity (BTUH)	Ship Wgt (Lbs.)
	Size (In.)	Type			
FWL234	3/4	MPT x FPT	3.38	500000	0.36



TEMPERATURE/PRESSURE RELIEF, 40 SERIES

For hot water supply tanks and heaters.

- Bronze body construction
- Tamper-resistant bonnet screws
- Connection: MPT inlet x FPT outlet

- Temperature setting: 210°F
- Pressure setting: 150 psi

WATTS

Part No.	Connection Size (In.)	Pressure Setting (psig)	Valve Height (In.)	Tank Insertion (In.)	Capacity AGA (Btuh)
40XL5	3/4	150	5 5/8	5	200000
40XL4	1	150	6 1/4	4	500000
3422	2 x 1 1/2	150	9 3/4	3	1150000



ASME RELIEF VALVE

Designed to protect fired and unfired hot water pressure vessels against overpressure conditions. The diaphragm's oversized effective area generates a greater operating force which helps to overcome the effects of fouling.

Valves feature a unique fail-safe disc with sufficient area to permit the valves to maintain their safety relief function in the event of a diaphragm rupture.

- Bronze construction
- Pressure setting: 30 psi

Bell & Gossett

Part No.	Connection		Height (In.)	Ship Wgt (Lbs.)
	Size (In.)	Type		
110121	3/4	FPT	2.80	1.23
110129	1	FPT	4.94	1.50



REDUCING/RELIEF VALVE

Combination of reducing valve and relief valve. Set at 12 psig supply pressure and 30 psig relief.

- 110197 has fast fill feature
- Connection: 1/2" NPT

Bell & Gossett

Part No.	Composition		Connection Size (In.)	Length (In.)	Height (In.)	Ship Wgt (Lbs.)
	Relief	Reducer				
110199	Iron	Brass	1/2 NPT	6.44	5.38	4.04
110197	Brass	Brass	1/2 NPT	6.44	5.38	3.75

⚠ *WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to www.P65Warnings.ca.gov

HYDRONIC SPECIALTY



1450F12

REGULATOR/RELIEF ASSEMBLY

- Used on boiler feed lines to provide make up water to the system
- Maximum pressure: 100 psi
- Maximum temperature: 212°F
- Regulator set: 15 psi
- Adjustment range: 10-25 psi

- Combines features of 1156F and rugged iron body diaphragm relief valve (set to 30 psi).



Part No.	Connection		Length (In.)	Height (In.)	Adjustment Range (psi)
	Nominal Size (In.)	Type			
1450F12	1/2	FPT inlet x FPT outlet	6.50	5.38	10 - 25
S1450F	1/2	Solder Union inlet x FPT outlet	7.00	5.38	10 - 25



B38BG

PRESSURE REDUCING VALVE

Protects heating and plumbing systems against excessive line pressures. Equipped with low inlet pressure check valve and removable strainer.

- Maximum flow: 5 1/2 to 6 GPM
- 125 psig inlet

- Brass construction
- 110192 is fast fill



Bell & Gossett®

Part No.	Connection		Pressure Setting (psig)	Adjustable Range	Height (In.)	Ship Wgt (Lbs.)
	Size (In.)	Type				
B38BG	1/2	FPT	12	10 to 25	3.70	1.25
B38TU	1/2	FPT/Sweat	12	10 to 25	4.81	2.50
B712BG	3/4	FPT	12	10 to 25	3.70	2.18
110194	1/2	FPT	45	25 to 60	3.50	2.00
110195	3/4	FPT	45	25 to 60	3.50	2.25
FB38	1/2	FNPT X FNPT	12	10To 25	3.90	2.00



SB1156F12

FEED WATER REGULATOR

For use in commercial and residential hydronic heating systems to fill the boiler and piping system with water, and to maintain water pressure in the system at all times. It also provides make-up water to the system in the event of

system leaks. Includes a tight seating check valve, purge lever for manual purging, and a stainless steel strainer. @

- Maximum Pressure: 100psi



Part No.	Connection		Length (In.)	Height (In.)	Adjustment Range (psi)
	Nominal Size (In.)	Type			
SB1156F12	1/2	Solder Union inlet x FPT outlet	4.13	5.38	10 - 25



3L34

POPPET PRESSURE RELIEF

- Connection: MPT inlet x FPT outlet



Part No.	Connection		Height (In.)	Ship Wgt (Lbs.)
	Size (In.)	Type		
3L34	3/4	MPT inlet x FPT outlet	3.50	0.60



LF25AUB12

PRESSURE REGULATOR/BYPASS, LEAD FREE

For supply water pressures up to 300 lbs. Can be adjusted from 25 to 75 lbs. The standard setting is 50 lbs. The bypass feature incorporated into these valves accurately controls build-up of system pressure and thermal

expansion by equalizing the system and supply pressure when relief setting is in excess of available supply main pressure.

- Maximum temperature: 160°F
- Bronze body
- Connection: FPT union inlet x FPT outlet
- LF prefix: lead free



Part No.	Connection		Adjustment Range (psi)	Factory Set Defaults	Overall Length (In.)	Overall Height (In.)	Ship Wgt (Lbs.)
	Size (In.)	Type					
LF25AUB12	1/2	FPT union inlet x FPT outlet	25 - 75	50 psi	5.50	5 1/8	3.04
LF25AUB34	3/4	FPT union inlet x FPT outlet	25 - 75	50 psi	5.50	5 1/8	2.00



152A34

STEAM PRESSURE REGULATOR

For autoclaves, steam tables/irons, vulcanizers and single radiators.

- Iron body
- Initial pressures up to 200 psi
- Connection: FPT x FPT



Part No.	Connection		Height (In.)	Pressure Range (psi)
	Size (In.)	Type		
152A34	3/4	FPT x FPT	8.63	3 to 15



FM911

BOILER FILL VALVE

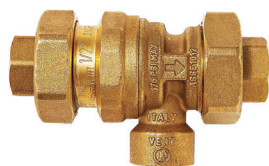
Pressure regulating valve for automatic control of boiler feed water and other pressure reducing applications. Especially constructed for expansion tank mounting.

- Fast fill feature

- Built in check valve
- Connection Type: NPT
- Pipe Size: 1/2"
- Maximum Ambient Temperature: 212°F



Part No.	Length (In.)	Height (In.)	Pressure Range (psi)
FM911	9.00	4.00	4 to 60



BP900

BACKFLOW PREVENTER

A double check backflow preventer with an intermediate vacuum breaker designed to prevent the backflow of contaminated water into the potable water supply. Designed for the use on small supply lines, it

protects against both backflow and back siphonage for continuous pressure applications. It is ideal for boiler feed lines, livestock drinking fountains, trailer park water hook-ups, laboratory equipment and numerous other applications. Suitable for either cold or hot water service, the BP900 is designed for non-continuous backflow temperatures up to 250°F (121°C) and working supply pressures up to 175 psi (1207 kPa).

- All bronze casting with brass connection.
- All working parts are stainless steel
- Stainless steel screen to protect seals.
- Approved by A.S.S.E. Standard 1012.



Part No.	Connection Size (In.)	Length (In.)	Height (In.)
BP900	1/2	1.00	1.00



9DS12

BACKFLOW PREVENTER

A backflow preventer specially made for low flow supply lines. Its purpose is to prevent the flow of polluted water back into the safe drinking water supply.

Particularly recommended for residential boiler feed lines to prevent backflow when supply pressure falls below heating system pressure. Suitable for use under continuous pressure.

- Suitable for either hot or cold water service
- Bronze body construction with stainless steel working parts
- Durable rubber diaphragm and disc
- Suitable for working supply pressures up to 175 psi
- Emergency backflow temperatures up to 250°F
- Minimum pressure required: 25 psi



Part No.	Connection Size (In.)	Length (In.)
9DS12	1/2 S	2.53
9D12	1/2 FPT	2.53
9DS34	3/4 Sweat	2.75



404200

FLOAT AND THERMOSTATIC STEAM TRAPS, H SERIES

- Feature Universal 4 - port tappings, (2 inlets, 2 outlets) that provide versatility to allow easy piping and system monitoring
- Stainless steel internal components
- Resistant to water hammer and

corrosion

- Below condensate level seat design prevents steam leakage
- Rugged thermostatic element eliminates air binding
- Maximum body design pressure: 250 psig
- Maximum operating pressure 175 psig
- Maximum temperature: 406°F

**Bell & Gossett®**

Part No.	Connection Size (In.)	Length (In.)	Height (In.)	Ship Wgt (Lbs.)
404200	3/4	6.50	5.60	11.70
404220	1 1/4	6.50	5.60	11.70

HYDRONIC SPECIALTY



113075

VACUUM BREAKER

Designed to protect closed vessels and piping systems against collapse when the induced vacuum exceeds design conditions. When used on steam heating systems, the No. 26 vacuum breaker controls induced

vacuum, permitting normal return of condensate to the boiler. Adjustable range: 1/4" to 20" (mercury).

- Maximum working pressure: 150 psig



Bell & Gossett®

Part No.	Connection Size (In.)
113075	1/8



TB1

FLOW BALANCER

An indicating flow meter and balancing device for measuring and balancing hydronic circuits. Installed in each circuit of a system, it permits simple balancing to meet design flow conditions.

- Capacity: 2 to 10 GPM

- Working pressure: 125 psig
- Maximum operating temperature: 250°F



Bell & Gossett®

Part No.	Connection		Length (In.)
	Size (In.)	Type	
TB1	1	FPT	9.25



SA114

FLOW CONTROL VALVE

For preventing gravity flow in forced hot water systems and to permit summer-winter operation of indirect water heaters.



Bell & Gossett®

Part No.	Connection Size (In.)	Length (In.)	Height (In.)	Ship Wgt (Lbs.)
SA114	1 1/4	4.00	6.50	4.00
SA112	1 1/2	5.00	7.25	8.00
SA-2	2	6.88	7.50	12.00
A212	2 1/2	7.25	7.63	20.00



HT34

FLOW CONTROL VALVE, HYDROTROL™

Used to prevent over-heating of zones due to gravity flow in hydronic heating systems and will permit summer-winter operation of indirect water heater.

- Maximum working pressure: 150

psi

- Maximum operating temperature: 250°F
- Valve can be installed to discharge in any direction



Bell & Gossett®

Part No.	Connection Size (In.)	Length (In.)	Height (In.)	Ship Wgt (Lbs.)
HT34	3/4	3.00	3.19	1.40



0792037

VACUUM BREAKER, LEAD FREE

- Vacuum breakers are designed to protect against the back-siphonage of contaminated water into the potable water supply
- For health hazard cross-connections not subject to continuous pressure

- Install 6" above highest downstream point of water
- Maximum temperature 180°F at 125 psi working pressure
- Connection: FPT x FPT
- Plain brass finish
- 079 are lead free



Part No.	Connection Size (In.)
0792037	3/8
0792038	1/2



LF70A12

TEMPERING VALVE, LEAD FREE

Hot water extender tempering valves for residential installations, mixes cold and hot water to extend capacity of water heater, storage tanks and hot water boiler tankless heaters.

- Connection: solder

- Lead free
- Temperature: 120-160 °F



Part No.	Connection Size Nominal (In.)	Length (In.)
LF70A12	1/2	3.75



DIRECTCONNECT™ THERMOSTATIC MIXING VALVE KIT

- Installs in as little as 15 minutes
- Excellent temperature stability and control
- Effectively minimizes scalding risk to building occupants
- Mixing valve and cold water tee

both connect directly to water heater; flexible stainless steel connector joins the cold water tee directly to the cold inlet port of the mixing valve

- Fits virtually all water heaters up to 1" (all necessary adapters included)
- Constant water temperature under different operating conditions
- Proportional valve (control of hot and cold water)
- Flow reduction in seconds if cold water supply is interrupted
- Includes 3/4" ASSE 1017 mixing valve, 3/4" cold water tee, and 11" SS flex connector
- Temperature adjustable with easy "Push-Twist-Release" locking hand wheel design
- Operating temperature: 100° to 212°F (hot water inlet), 33° to 80°F (cold water inlet)
- Maximum pressure: 150 psi
- Valve capacity: 2.1 Cv

Honeywell Home

Part No.	Pipe Size (In.)	Length (In.)
AMX302T	1	1.00



2-WAY FLOW CHECK

For forced hot water heating systems to provide positive gravity shut-off when circulator is not running.

One connection can be used for the installation of an expansion tank when installed at angle check.

- Maximum pressure: 50 psi
- Connection: FPT

WATTS®

Part No.	Connection Size Nominal (In.)	Ship Wgt (Lbs.)
200034F	3/4	3.00
20001F	1	3.00
2000114F	1 1/4	4.98



DIELECTRIC UNION, LEAD FREE

Supplied with GA gaskets suitable for water, air, oil, natural gas, gasoline, propane, kerosene, mineral oil and alkalies.

- Protects against destructive effect of galvanic and stray current corrosion

- For residential, commercial and industrial applications
- Connection: FPT x solder
- 000 are lead free

WATTS®

Part No.	Connection Size Nominal (In.)	Length (In.)
0009864	1/2	1.88
0009865	3/4	2.13
0009866	1	1.00



TEST PLUG

Allows for quick, efficient and accurate testing of hydronic pipe lines throughout HVAC systems. Consistently rated at 1000 psi. The self-sealing core insures long life and continuous service.

- Brass body and cap

- Neoprene (red cap) for natural gas
- Connection: MPT

WEISS INSTRUMENTS

Part No.	Plug Size (In.)
BP25NP*	1/4



RADIATOR KEY

GB Gruner Brass Fittings CORP.

Part No.	Description
RADIATORKEY	Radiator Valve Stem Key

⚠ *WARNING: This item may contain chemicals known to cause cancer and/or reproductive harm in the state of California. For more information go to www.P65Warnings.ca.gov

WATER FEEDER



101A24

ELECTROMECHANICAL

A low-cost, efficient, and reliable electromechanical water feeder designed to maintain a minimum operating level in small steam boilers as controlled by the low water cut-off. Adding water on demand automatically, the 101A

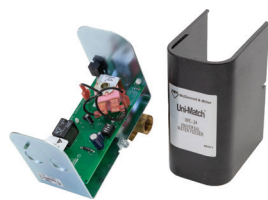
keeps the boiler operating during periods when the cut-off might otherwise stop the burner, providing an extra precaution against overheating should the fuel regulators fail. This electric water feeder is intended to provide automatic fill on small, low pressure steam boilers in residential and light commercial applications.

- Max. water pressure: 150 lbs.
- Max. steam pressure: 25 lbs.
- Max. boiler size: 5000 sq. ft.
- Connection: 1/2" FPT



McDonnell & Miller

Part No.	Voltage	Use with
101A24	24	Gas Boiler
101A120	120	Oil Boiler



WFU224

ELECTRONIC/MECHANICAL

These water feeders use modern electronic circuitry in conjunction with a solenoid valve to maintain a minimum operating level in low pressure steam boilers. Designed to compliment the new McDonnell & Miller PS 800 Series probe type

low water cut-offs.

- Supplies 2 GPM
- Max. boiler size: 500,000 BTUH
- Max. water pressure: 150 psi
- Max. boiler pressure: 15 psi
- Max. water temperature: 175°F
- Connection: 3/8" FPT



McDonnell & Miller

Part No.	Voltage
WFU224	24
WFU2120	120



51

MECHANICAL

Maintains predetermined water levels and provides low water control.

Designed to provide control for boilers above 5000 sq. ft. capacity

- Maximum boiler pressure: 35 psi
- Maximum supply water pressure:

150 psi

- Use with 2 switch for low water cut-off
- Connection: 3/4" FPT



McDonnell & Miller

Part No.	Description
51	Water Feeder, >5000 Sq. Ft.



247

MECHANICAL

For small steam and hot water boilers with high supply needs.

- Hydraulically activated switch
- Automatically adds water when boiler level drops below minimum operating level.
- Maximum boiler pressure: 30 psi

- Maximum supply water pressure: 150 psi
- Connection: 1" FPT
- Use with 2 switch for low water cut-off



McDonnell & Miller

Part No.	Description
247	Water Feeder



2

CUT-OFF SWITCH

Used to add electrical low water cut-off to mechanical water feeder. Has high voltage terminals for low water cut-off and for low water alarm.

- Use with model 47, 247, 51, 52, 53
- Contact



McDonnell & Miller

rating: 5.1 F.L. amps 240 Vac

Part No.	Description
2	Cut-off switch, automatic

LOW WATER CUT-OFF



11MM

MECHANICAL QUICK HOOK-UP



McDonnell & Miller

Part No.	Description
11MM	Replacement Switch



150S

PUMP CONTROL

Mounted at the boiler water line, it starts and stops the pump as the boiler level itself dictates—not according to the rate at which condensate accumulates in the receiver. Consequently it holds the boiler water level between the

limits recommended by the boiler manufacturer to maintain maximum steaming efficiency.

- Can be used as liquid level control on tanks or other vessels



McDonnell & Miller

Part No.	Switch
150S	Snap Action



RB24E

ELECTRONIC SWITCH, LOW PRESSURE

Used to add electrical low water cut-off to mechanical water feeder.

- For residential applications
- Compact size
- Easy to install and wire
- Automatic reset feature resumes

operation after a power outage when water is on probe

- Indicates power on and low water
- Maximum ambient temperature 120°F (49°C)
- Maximum water pressure 50 psi (3.5 kg/cm)
- 3' harness cable included



McDonnell & Miller

Part No.	Description
RB24E	Guard Dog, 24V



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HEATING ACCESSORIES

NOTES

HEATING ACCESSORIES