

MANUAL – INSTALLATION + SYSTEM COMPONENTS

| Piping Package

v001 – Issue Date: 08/19/22

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PRICE[®]

PIPING PACKAGE

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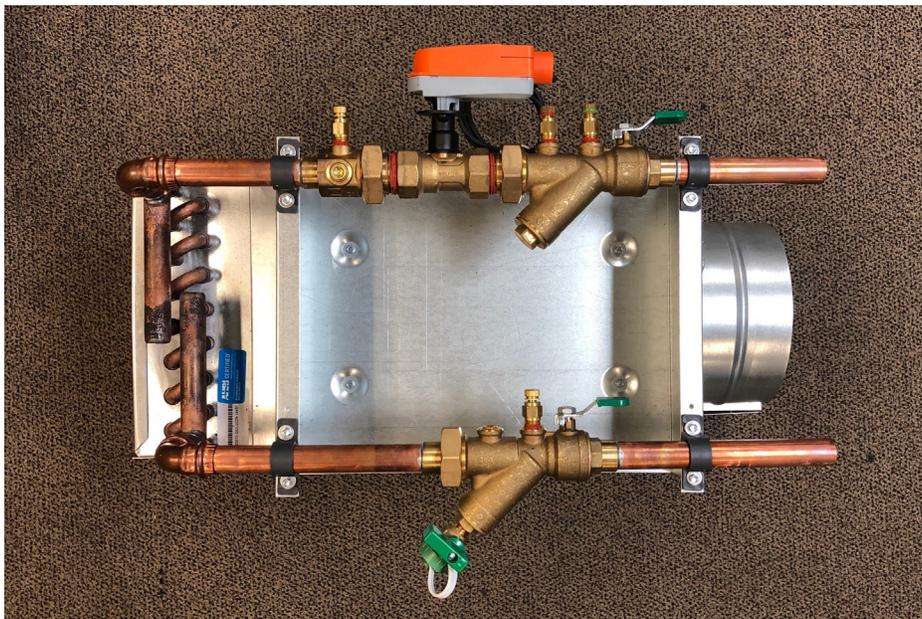
GENERAL OVERVIEW

Introduction

Water to air heat exchangers are a common reheat accessory used within the terminal and fan coil industry. With this, comes the requirement of a piping package to strain the fluid, regulate fluid flow and pressure, discharge air, and commission or drain the coil.

The utilization of a Price factory mounted piping package in combination with a Price water coil can reduce the time and cost in comparison to the traditional field installation. In addition to this, each factory-mounted piping package will undergo pressure decay and sniff testing to assure leakage free assemblies.

FIGURE 1: 2-WAY PIPING PACKAGE



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RECEIVING/INSPECTION

Before You Start

Safety Precautions

Read all the instructions before you handle, install, or do any maintenance work on any of the piping package components. Only trained persons who have knowledge of the product and safety precautions should carry out work on the piping package. Proper eye protection should be worn when working on different pressure containing parts. Be aware of live electrical components on the piping package during installation and maintenance. Only users trained with these live components should handle any work required.

More information surrounding the water coil itself is in its respective installation manual.

Use the piping package only in the manner intended by the manufacturer. If you have any questions, contact:

Piping Package Support
Canada, United States, International Export
Ph: 204-654-5613 ext. 2
Email: airmovement@priceindustries.com

Inspection

All factory mounted piping packages are inspected before shipment. If damage is found, report it immediately to the delivery carrier. This includes valves, strainers, controllers, piping, and any other piping package accessories.

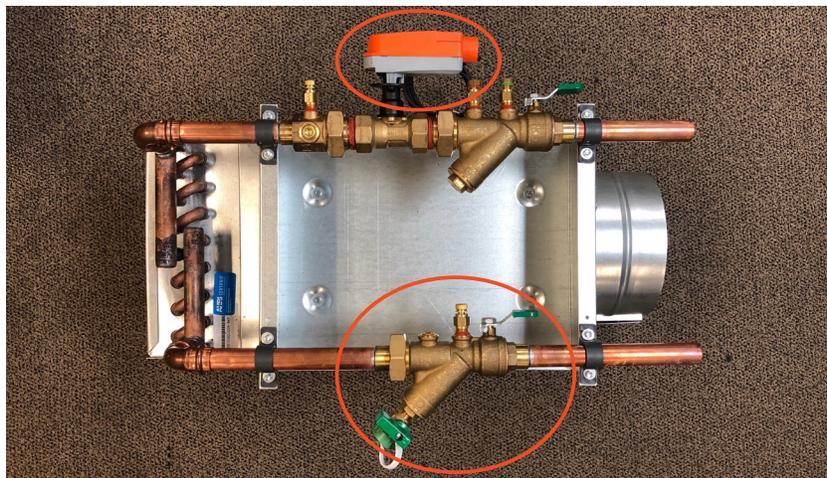
Filter Information

Factory mounted piping packages will include all of the components assembled and attached to the unit coil. In the case of 3-8 row coils, the piping package is designed for the water supply connection being on the bottom of the leaving airside of the coil and the return being on the top entering airside of the coil. This should be followed regardless of handing of coil. For 1 and 2 row coils, the piping package supply is always on the bottom of the coil, and the supply is always on the top. This is irrespective of airflow direction.

For distinguishing supply/return, the supply side always has the Y-Strainer mounted to the assembly and the temperature control valve is located on the return. It is essential to follow the handing as per the order to ensure proper operation of the piping package components.

When creating sweat connections, avoid overheating the valve or other components. Failure to do so can lead to damage of the valve components and affect the performance of the coil and piping package components themselves. It is advised to use a heat sink when making sweat connections.

FIGURE 2: PROPER ORIENTATION OF Y-STRAINER (SUPPLY) AND TCV (RETURN)



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SYSTEM COMPONENTS FUNCTIONALITY/MAINTENANCE

Temperature Control Valve

Temperature Control Valves are available by Price or by others for factory installation. They are available for 2-way and 3-way configurations in which the 3-way valve is piped in a mixing configuration. They are available in 24V, On/Off, floating, and proportional control.

If the TCV has been provided by others for either factory mounting or field mounting, the technician should reach out to the local Price Industries Sales Rep for any additional material on the provided component.

If Price Industries have provided the TCV, reach out to the local Price Industries Sales Representative or Air Movement Team for more information.

Automatic Balancing Valve

The automatic balancing valves provided will be a combination of the pressure independent automatic control valve itself, an isolation ball valve, union end, and have the option of PT port and handle extension accessories.

During start-up, ensure to eliminate air in the fluid to achieve maximum performance from the balancing valve.

PT test plug locations can be referenced from Figure 4. High-pressure port referenced on the left and the low-pressure port referenced on the right.

The automatic control valves are installed in the horizontal plane and the valve position should not be adjusted to ensure proper operation.

FIGURE 3: 2-WAY AND 3-WAY TEMPERATURE CONTROL VALVES

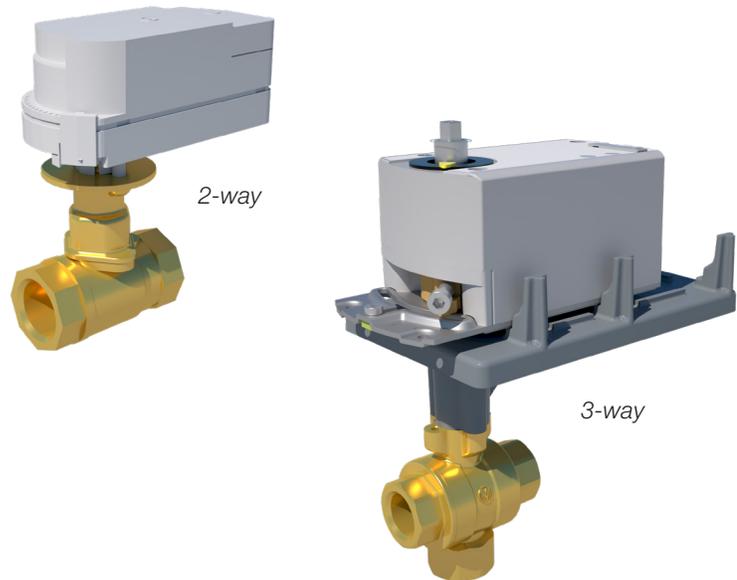
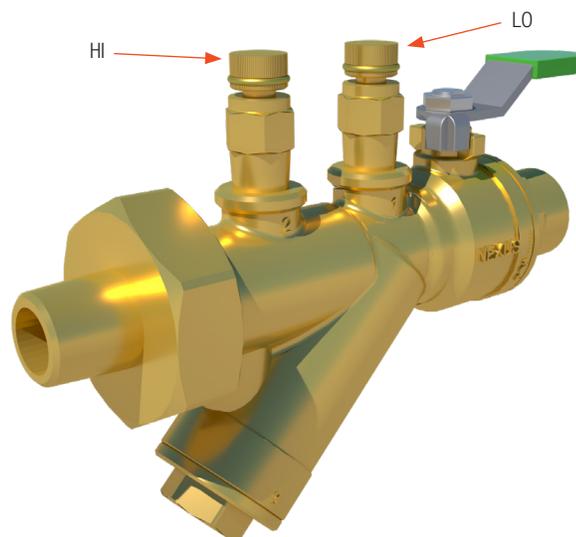


FIGURE 4: AUTOMATIC BALANCING VALVE



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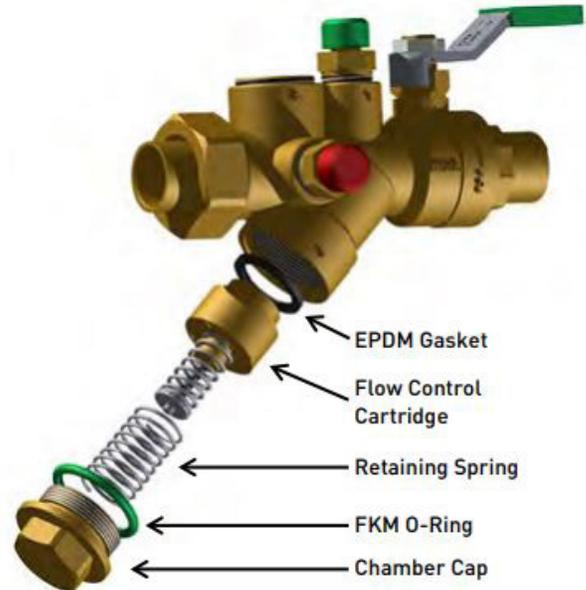
SYSTEM COMPONENTS FUNCTIONALITY/MAINTENANCE

When flushing the system prior to start up or during maintenance ensure the valve cartridge is removed. This component can be removed by hand for either replacement or before flushing the system. A breakdown of these components can be seen in Figure 5 and the cartridge can be accessed by unscrewing the chamber cap.

Before removing the cartridge, shut the inlet and outlet isolation valve and drain the coil. Upon start up, slowly open the isolation valve, purge any lingering air, and check for leaks.

The manual balancing valve does not require regular maintenance under normal operating conditions but routinely visually inspected.

FIGURE 5: FLOW CONTROL CARTRIDGE REMOVAL



Manual Balancing Valve

The manual balancing valve provided by Price is a combination of a modified venture, ball valve, and union end. In addition, pressure ports and handle extensions are optional accessories.

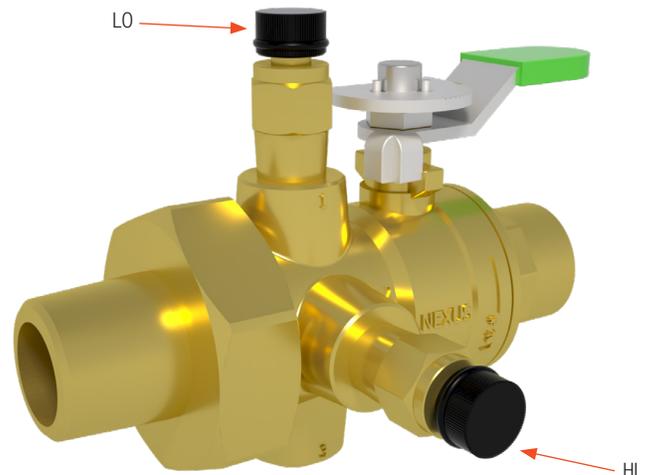
During start-up, ensure to eliminate air in the fluid to achieve maximum performance from the balancing valve.

The manual control valves are installed in the horizontal plane and the valve position should not be adjusted to ensure proper operation.

The black PT test plug locations can be reference from Figure 6. High-pressure port referenced on the side, and the low-pressure port referenced facing up.

The manual balancing valve does not require regular maintenance under normal operating conditions but routinely visually inspected.

FIGURE 6: MANUAL BALANCING VALVE



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SYSTEM COMPONENTS FUNCTIONALITY/MAINTENANCE

Y-Strainer

The Y-Strainer provided by Price is a combination of strainer, ball valve, blowdown, and union end. It is available with PT port and handle extension accessories.

This component will be installed on the supply side of the coil and should maintain its horizontally installed orientation. This is to ensure adequate drainage from the strainer when required.

Dirt build up can be removed using the integrated blowdown on the Y-Strainer. After draining, close the valve by turning the handle perpendicular to the flow. The blowdown cap is not designed to hold steady flow.

The Y-Strainer does not require regular maintenance under normal operating conditions but routinely visually inspected.

For strainer screen maintenance/replacement:

- Close inlet and outlet isolation valves and drain the coil
- Remove chamber cap on the bottom of the strainer
- Screen can be removed by hand
- Replace screen and O-Ring on the chamber cap
- Replace chamber cap onto valve body, tightening using #13/16" wrench
- Slowly open isolation valve
- Purge air and check for leaks
- Filters should be periodically maintenance to prevent damage to the valve body

Union

Provided Union will come with a PT port and two manual vents.

If venting is required, ensure that these accessories maintain their upward facing orientation. The union does not require regular maintenance under normal operating conditions but routinely visually inspected.

FIGURE 7: Y-STRAINER



FIGURE 8: Y-STRAINER SCREEN MAINTENANCE

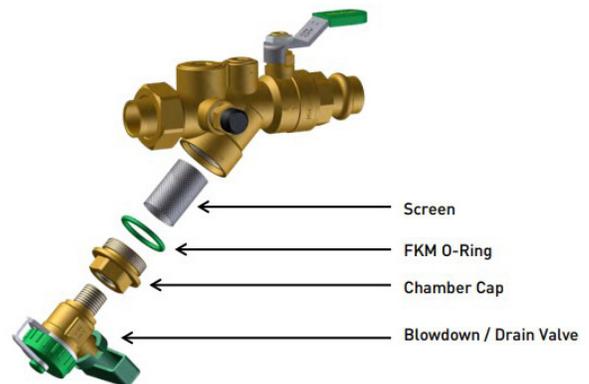


FIGURE 9: UNION



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SYSTEM COMPONENTS FUNCTIONALITY/MAINTENANCE

Flex Hose

Flex hose is available in 12", 18", and 24" length with SWT, FNPT, and MNPT connections. They are provided to ease pipefitting process in the field due to their flexible construction.

Installation Overview:

- When connecting to the hose end, do not put a torsional or torque load on the hose itself.
 - When tightening the female thread nut of the hose, hold the ferrule stationary by hand while tightening the screw connections.
 - When tightening male connections, hold the male fitting hexagonal shoulder provided at the base of the male connector when tightening, as the male threaded connections do not swivel. Example of this can be seen in Figure 13.
- When working with the flex hose, do not install the hose in tension. Allow for an extra 5% in actual hose length to account for shrinkage when the hose is subject to internal pressure. Example of this can be seen in Figure 14.

FIGURE 12: FLEX HOSE



FIGURE 13: TIGHTENING MALE FLEX HOSE PROPERLY



FIGURE 14: ACCOUNTING FOR SHRINKAGE IN FLEX HOSE



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SYSTEM COMPONENTS FUNCTIONALITY/MAINTENANCE

- Avoid tight bends in the flex hose as this can lead to a reduction in flow capacity, increase pressure drop, and potential operation failure. Example of this can be seen in Figure 15.
- Ensure that flex hose only bends in one plane of reference. Example: Only bending it upwards or downwards without bending it to the left or right. Failure to do this can create higher amounts of torsional load on the hose. Recommended bend dimensions can be seen in Figure 16.

When working with the flex hose:

- Avoid over tightening as this can cause damage to the gasket and sealing surfaces
- Do not compress the flexible connector to fit
- Do not stretch flexible connector to fit a gap larger than its factory furnished length
- Do not torque the end connectors
- Do not support external weight with the hose
- Anchor hose to prevent transmission of vibrations in the piping system
- Do not force hose into too much lateral offset
- Do not bend hose less than 15" radius intermittent or 3" static

FIGURE 15: PROPER BEND INSTALLATION OF FLEX HOSE

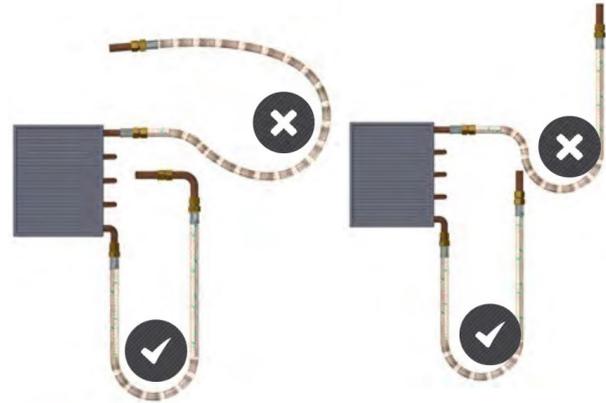


FIGURE 16: FLEX HOSE BENDING PARAMETERS

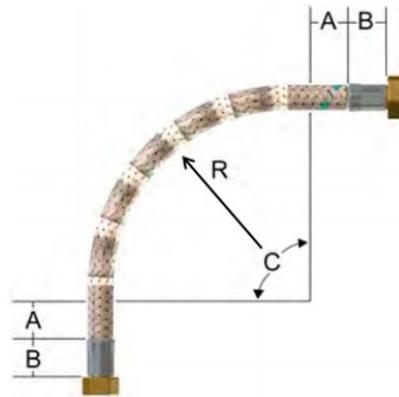


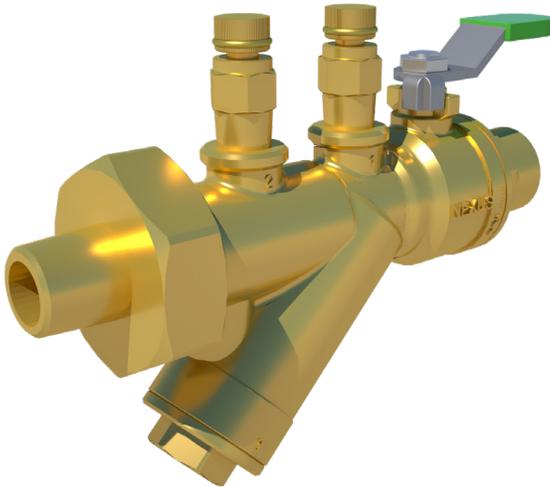
Table 1: Flex Hose bending Parameters

Size	Length (in)	A (in)	B (in)	R Min. Bend Radius (in)	C (max) Based on R
1/2"	12	1.6	0.9	3.5	114
	18	1.6	0.9	3.5	180
	24	1.6	0.9	3.5	180
3/4"	12	2.2	1.4	3.5	79
	18	2.2	1.4	3.5	176
	24	2.2	1.4	3.5	180
1"	12	2.7	1.4	4.3	50
	18	2.7	1.4	4.3	130
	24	2.7	1.4	4.3	180

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SYSTEM COMPONENTS FUNCTIONALITY/MAINTENANCE

Automatic Balancing Valve:



Materials & Design Data	
Body	Hot forged brass ASTM B283, 600 WOG, 325°F, Interchangeable union ends
End Pieces	Hot forged brass ASTM, 200PSI, 200°F
Handle & Nut	Zinc Plated / PVC Coated
Ball	Hard Chrome Plated Brass
Ball Seals	Teflon
Shaft	Brass
Shaft Seals	Dual FKM O-Rings
Union Seal	FKM O-Ring
Cap Seal	FKM O-Ring
Balancing Globe	Brass
Handle	Nylon, Glass-Filled
Accuracy	+/- 5%

Manual Balancing Valve:

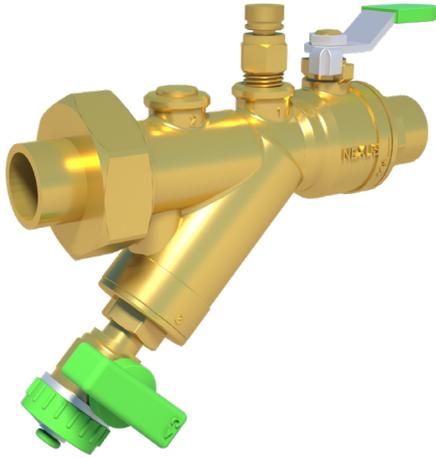


Materials & Design Data	
Body	Hot forged brass ASTM B283, 600 WOG, 325°F, Interchangeable union ends
End Pieces	Hot forged brass ASTM B283, 200PSI, 200°F
Handle & Nut	Zinc Plated / PVC Coated
Memory Stop	1080 Cold Rolled Steel, Coated
Ball	Hard Chrome Plated Brass
Ball Seals	Teflon
Shaft	Brass
Shaft Seals	Dual FKM O-Rings
Union Seal	FKM O-Ring
Accuracy	+/- 5%

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SYSTEM COMPONENT SPECIFICATIONS

Y-Strainer:



Materials & Design Data	
Body	Hot forged brass ASTM B283, 600 WOG, 325°F, Interchangeable union ends
End Pieces	Hot forged brass ASTM B283, 200PSI, 200°F
Handle & Nut	Zinc Plated
Memory Stop	1080 Cold Rolled Steel, Coated
Ball	Hard Chrome Plated Brass
Ball Seals	Teflon
Shaft	Brass
Shaft Seals	Dual FKM O-Rings
Union Seal	FKM O-Ring
Cap Seal	FKM O-Ring
Filter Screen	304 Stainless Steel, Removable

Union:

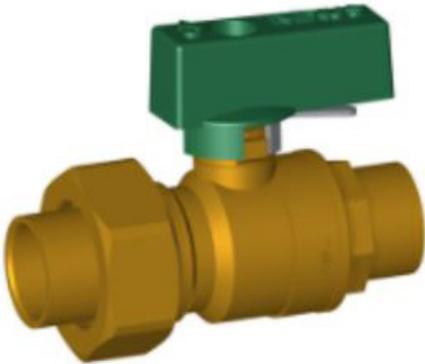


Materials & Design Data	
Body	Hot forged brass ASTM B283, 600 WOG, 325°F, Interchangeable union ends
End Pieces	Hot forged brass ASTM B283, 200PSI, 200°F
Union Seal	FKM O-Ring

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SYSTEM COMPONENT SPECIFICATIONS

Ball Valve:



Materials & Design Data	
Body	Hot forged brass ASTM B283, 600 WOG, 325°F, Interchangeable union ends
End Pieces	Hot forged brass ASTM B283, 200PSI, 200°F
Handle	Aluminum
Ball	Hard Chrome Plated Brass
Ball Seals	Teflon
Shaft	Brass, Blowout-Proof
Shaft Seals	Dual FKM O-Rings
Union Seal	FKM O-Ring
Memory Stop	Stainless Steel
Hose Specs	400PSI, 248F
Hose Core	Reinforced EDPM
Hose Braid	Stainless Steel
Hose Fittings	Brass OT58
Hose Gasket	EDPM

Flex Hose:



Materials & Design Data	
Core	KEVLAR Reinforced EDPM
Braid	Stainless Steel
Fitting	Brass OT58
Ferrule	Stainless Steel
Seals	EPDM
Adapter	Brass
Connectors	Fire rated: ASTM E 84-00, NFPA 255, ANSI/UL 723 & UBC 8-1 Intended for water use only
Fittings	MNPT
Seals	Gasket & O-Ring

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REPLACEMENT COMPONENTS

Replacement Components

For purchase of replacement parts, reach out to your local Price Industries Sales Representative.

Component	Description	Part #
Auto Balancing Valve	1/2" SWT to 1/2" MNPT, 0.33 GPM	041703-001
	1/2" SWT to 1/2" MNPT, 0.50 GPM	041703-002
	1/2" SWT to 1/2" MNPT, 0.75 GPM	041703-003
	1/2" SWT to 1/2" MNPT, 1.00 GPM	041703-004
	1/2" SWT to 1/2" MNPT, 1.25 GPM	041703-005
	1/2" SWT to 1/2" MNPT, 1.50 GPM	041703-006
	1/2" SWT to 1/2" MNPT, 1.75 GPM	041703-007
	1/2" SWT to 1/2" MNPT, 2.00 GPM	041703-008
	1/2" SWT to 1/2" MNPT, 2.25 GPM	041703-009
	1/2" SWT to 1/2" MNPT, 2.50 GPM	041703-010
	1/2" SWT to 1/2" MNPT, 2.75 GPM	041703-011
	1/2" SWT to 1/2" MNPT, 3.00 GPM	041703-012
	1/2" SWT to 1/2" MNPT, 3.50 GPM	041703-013
	1/2" SWT to 1/2" MNPT, 4.00 GPM	041703-014
	1/2" SWT to 1/2" MNPT, 4.50 GPM	041703-015
	1/2" SWT to 1/2" MNPT, 5.00 GPM	041703-016
	1/2" SWT to 1/2" MNPT, 5.50 GPM	041703-017
	1/2" SWT to 1/2" MNPT, 6.00 GPM	041703-018
	1/2" SWT to 1/2" MNPT, 7.00 GPM	041703-019
	1/2" SWT to 1/2" MNPT, 8.00 GPM	041703-020
	3/4" SWT to 1/2" MNPT, 0.50 GPM	041703-021
	3/4" SWT to 1/2" MNPT, 1.00 GPM	041703-022
	3/4" SWT to 1/2" MNPT, 1.50 GPM	041703-023
	3/4" SWT to 1/2" MNPT, 2.00 GPM	041703-024
	3/4" SWT to 1/2" MNPT, 2.50 GPM	041703-025
	3/4" SWT to 1/2" MNPT, 3.00 GPM	041703-026
	3/4" SWT to 1/2" MNPT, 3.50 GPM	041703-027
	3/4" SWT to 1/2" MNPT, 4.00 GPM	041703-028
	3/4" SWT to 1/2" MNPT, 4.50 GPM	041703-029
	3/4" SWT to 1/2" MNPT, 5.00 GPM	041703-030
	3/4" SWT to 1/2" MNPT, 5.50 GPM	041703-031
	3/4" SWT to 1/2" MNPT, 6.00 GPM	041703-032
	3/4" SWT to 1/2" MNPT, 7.00 GPM	041703-033
	3/4" SWT to 1/2" MNPT, 8.00 GPM	041703-034
	3/4" SWT to 1/2" MNPT, 9.00 GPM	041703-035
	3/4" SWT to 1/2" MNPT, 10.50 GPM	041703-036
3/4" SWT to 1/2" MNPT, 11.00 GPM	041703-037	
3/4" SWT to 1/2" MNPT, 12.00 GPM	041703-038	
3/4" SWT to 1/2" MNPT, 13.00 GPM	041703-039	
3/4" SWT to 1/2" MNPT, 14.00 GPM	041703-040	

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REPLACEMENT COMPONENTS

Component	Description	Part #
Auto Balancing Valve	3/4" SWT to 1/2" MNPT, 15.00 GPM	041703-041
	1" SWT to 1/2" MNPT, 0.50 GPM	041703-042
	1" SWT to 1/2" MNPT, 1.00 GPM	041703-043
	1" SWT to 1/2" MNPT, 1.50 GPM	041703-044
	1" SWT to 1/2" MNPT, 2.00 GPM	041703-045
	1" SWT to 1/2" MNPT, 2.50 GPM	041703-046
	1" SWT to 1/2" MNPT, 3.00 GPM	041703-047
	1" SWT to 1/2" MNPT, 3.50 GPM	041703-048
	1" SWT to 1/2" MNPT, 4.00 GPM	041703-049
	1" SWT to 1/2" MNPT, 4.50 GPM	041703-050
	1" SWT to 1/2" MNPT, 5.00 GPM	041703-051
	1" SWT to 1/2" MNPT, 5.50 GPM	041703-052
	1" SWT to 1/2" MNPT, 6.00 GPM	041703-053
	1" SWT to 1/2" MNPT, 7.00 GPM	041703-054
	1" SWT to 1/2" MNPT, 8.00 GPM	041703-055
	1" SWT to 1/2" MNPT, 9.00 GPM	041703-056
	1" SWT to 1/2" MNPT, 10.50 GPM	041703-057
	1" SWT to 1/2" MNPT, 11.00 GPM	041703-058
	1" SWT to 1/2" MNPT, 12.00 GPM	041703-059
	1" SWT to 1/2" MNPT, 13.00 GPM	041703-060
	1" SWT to 1/2" MNPT, 14.00 GPM	041703-061
	1" SWT to 1/2" MNPT, 15.00 GPM	041703-062
	1" SWT to 1/2" MNPT, 16.00 GPM	041703-063
	1" SWT to 1/2" MNPT, 17.00 GPM	041703-064
	1" SWT to 1/2" MNPT, 18.00 GPM	041703-065
	1" SWT to 1/2" MNPT, 19.00 GPM	041703-066
	1" SWT to 1/2" MNPT, 20.00 GPM	041703-067
	1" SWT to 1/2" MNPT, 21.00 GPM	041703-068
	1" SWT to 1/2" MNPT, 22.00 GPM	041703-069
	1" SWT to 1/2" MNPT, 24.00 GPM	041703-070
	1" SWT to 1/2" MNPT, 25.00 GPM	041703-071
	1" SWT to 1/2" MNPT, 30.00 GPM	041703-072
	3/4" SWT to 3/4" MNPT, 0.5 GPM	041703-073
	3/4" SWT to 3/4" MNPT, 1.00 GPM	041703-074
	3/4" SWT to 3/4" MNPT, 1.50 GPM	041703-075
	3/4" SWT to 3/4" MNPT, 2.00 GPM	041703-076
	3/4" SWT to 3/4" MNPT, 2.50 GPM	041703-077
	3/4" SWT to 3/4" MNPT, 3.00 GPM	041703-078
	3/4" SWT to 3/4" MNPT, 3.50 GPM	041703-079
	3/4" SWT to 3/4" MNPT, 4.00 GPM	041703-080
3/4" SWT to 3/4" MNPT, 4.50 GPM	041703-081	
3/4" SWT to 3/4" MNPT, 5.00 GPM	041703-082	

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REPLACEMENT COMPONENTS

Component	Description	Part #
Auto Balancing Valve	3/4" SWT to 3/4" MNPT, 5.50 GPM	041703-083
	3/4" SWT to 3/4" MNPT, 6.00 GPM	041703-084
	3/4" SWT to 3/4" MNPT, 7.00 GPM	041703-085
	3/4" SWT to 3/4" MNPT, 8.00 GPM	041703-086
	3/4" SWT to 3/4" MNPT, 9.00 GPM	041703-087
	3/4" SWT to 3/4" MNPT, 10.50 GPM	041703-088
	3/4" SWT to 3/4" MNPT, 11.00 GPM	041703-089
	3/4" SWT to 3/4" MNPT, 12.00 GPM	041703-090
	3/4" SWT to 3/4" MNPT, 13.00 GPM	041703-091
	3/4" SWT to 3/4" MNPT, 14.00 GPM	041703-092
	3/4" SWT to 3/4" MNPT, 15.00 GPM	041703-093
	1" SWT to 3/4" MNPT, 0.50 GPM	041703-094
	1" SWT to 3/4" MNPT, 1.00 GPM	041703-095
	1" SWT to 3/4" MNPT, 1.50 GPM	041703-096
	1" SWT to 3/4" MNPT, 2.00 GPM	041703-097
	1" SWT to 3/4" MNPT, 2.50 GPM	041703-098
	1" SWT to 3/4" MNPT, 3.00 GPM	041703-099
	1" SWT to 3/4" MNPT, 3.50 GPM	041703-100
	1" SWT to 3/4" MNPT, 4.00 GPM	041703-101
	1" SWT to 3/4" MNPT, 4.50 GPM	041703-102
	1" SWT to 3/4" MNPT, 5.00 GPM	041703-103
	1" SWT to 3/4" MNPT, 5.50 GPM	041703-104
	1" SWT to 3/4" MNPT, 6.00 GPM	041703-105
	1" SWT to 3/4" MNPT, 7.00 GPM	041703-106
	1" SWT to 3/4" MNPT, 8.00 GPM	041703-107
	1" SWT to 3/4" MNPT, 9.00 GPM	041703-108
	1" SWT to 3/4" MNPT, 10.50 GPM	041703-109
	1" SWT to 3/4" MNPT, 11.00 GPM	041703-110
	1" SWT to 3/4" MNPT, 12.00 GPM	041703-111
	1" SWT to 3/4" MNPT, 13.00 GPM	041703-112
	1" SWT to 3/4" MNPT, 14.00 GPM	041703-113
	1" SWT to 3/4" MNPT, 15.00 GPM	041703-114
1" SWT to 3/4" MNPT, 16.00 GPM	041703-115	
1" SWT to 3/4" MNPT, 17.00 GPM	041703-116	
1" SWT to 3/4" MNPT, 18.00 GPM	041703-117	
1" SWT to 3/4" MNPT, 19.00 GPM	041703-118	
1" SWT to 3/4" MNPT, 20.00 GPM	041703-119	
1" SWT to 3/4" MNPT, 21.00 GPM	041703-120	
1" SWT to 3/4" MNPT, 22.00 GPM	041703-121	
1" SWT to 3/4" MNPT, 24.00 GPM	041703-122	
1" SWT to 3/4" MNPT, 25.00 GPM	041703-123	
1" SWT to 3/4" MNPT, 30.00 GPM	041703-124	

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REPLACEMENT COMPONENTS

Component	Description	Part #
Auto Balancing Valve	1" SWT to 1" MNPT, 0.50 GPM	041703-125
	1" SWT to 1" MNPT, 1.00 GPM	041703-126
	1" SWT to 1" MNPT, 1.50 GPM	041703-127
	1" SWT to 1" MNPT, 2.00 GPM	041703-128
	1" SWT to 1" MNPT, 2.50 GPM	041703-129
	1" SWT to 1" MNPT, 3.00 GPM	041703-130
	1" SWT to 1" MNPT, 3.50 GPM	041703-131
	1" SWT to 1" MNPT, 4.00 GPM	041703-132
	1" SWT to 1" MNPT, 4.50 GPM	041703-133
	1" SWT to 1" MNPT, 5.00 GPM	041703-134
	1" SWT to 1" MNPT, 5.50 GPM	041703-135
	1" SWT to 1" MNPT, 6.00 GPM	041703-136
	1" SWT to 1" MNPT, 7.00 GPM	041703-137
	1" SWT to 1" MNPT, 8.00 GPM	041703-138
	1" SWT to 1" MNPT, 9.00 GPM	041703-139
	1" SWT to 1" MNPT, 10.50 GPM	041703-140
	1" SWT to 1" MNPT, 11.00 GPM	041703-141
	1" SWT to 1" MNPT, 12.00 GPM	041703-142
	1" SWT to 1" MNPT, 13.00 GPM	041703-143
	1" SWT to 1" MNPT, 14.00 GPM	041703-144
	1" SWT to 1" MNPT, 15.00 GPM	041703-145
	1" SWT to 1" MNPT, 16.00 GPM	041703-146
	1" SWT to 1" MNPT, 17.00 GPM	041703-147
	1" SWT to 1" MNPT, 18.00 GPM	041703-148
	1" SWT to 1" MNPT, 19.00 GPM	041703-149
1" SWT to 1" MNPT, 20.00 GPM	041703-150	
1" SWT to 1" MNPT, 21.00 GPM	041703-151	
1" SWT to 1" MNPT, 22.00 GPM	041703-152	
1" SWT to 1" MNPT, 24.00 GPM	041703-153	
1" SWT to 1" MNPT, 25.00 GPM	041703-154	
1" SWT to 1" MNPT, 30.00 GPM	041703-155	
Manual Balancing Valve	1/2" SWT to 1/2" MNPT, 0.30 Cv	041704-001
	1/2" SWT to 1/2" MNPT, 0.66 Cv	041704-002
	1/2" SWT to 1/2" MNPT, 1.32 Cv	041704-003
	1/2" SWT to 1/2" MNPT, 3.53 Cv	041704-004
	3/4" SWT to 1/2" MNPT, 0.30 Cv	041704-035
	3/4" SWT to 1/2" MNPT, 0.66 Cv	041704-030
	3/4" SWT to 1/2" MNPT, 1.32 Cv	041704-005
	3/4" SWT to 1/2" MNPT, 2.46 Cv	041704-006
	3/4" SWT to 1/2" MNPT, 3.53 Cv	041704-007
	3/4" SWT to 1/2" MNPT, 7.42 Cv	041704-008
	3/4" SWT to 1/2" MNPT, 16.6 Cv	041704-009

PIPING PACKAGE

REPLACEMENT COMPONENTS

Component	Description	Part #
Manual Balancing Valve	1" SWT to 1/2" MNPT, 0.66 Cv	041704-031
	1" SWT to 1/2" MNPT, 1.32 Cv	041704-010
	1" SWT to 1/2" MNPT, 2.46 Cv	041704-011
	1" SWT to 1/2" MNPT, 3.53 Cv	041704-012
	1" SWT to 1/2" MNPT, 7.42 Cv	041704-013
	1" SWT to 1/2" MNPT, 16.6 Cv	041704-014
	3/4" SWT to 3/4" MNPT, 0.66 Cv	041704-032
	3/4" SWT to 3/4" MNPT, 1.32 Cv	041704-015
	3/4" SWT to 3/4" MNPT, 2.46 Cv	041704-016
	3/4" SWT to 3/4" MNPT, 3.53 Cv	041704-017
	3/4" SWT to 3/4" MNPT, 7.42 Cv	041704-018
	3/4" SWT to 3/4" MNPT, 16.6 Cv	041704-019
	1" SWT to 3/4" MNPT, 0.66 Cv	041704-033
	1" SWT to 3/4" MNPT, 1.32 Cv	041704-020
	1" SWT to 3/4" MNPT, 2.46 Cv	041704-021
	1" SWT to 3/4" MNPT, 3.53 Cv	041704-022
	1" SWT to 3/4" MNPT, 7.42 Cv	041704-023
	1" SWT to 3/4" MNPT, 16.6 Cv	041704-024
	1" SWT to 1" MNPT, 0.66 Cv	041704-034
	1" SWT to 1" MNPT, 1.32 Cv	041704-025
	1" SWT to 1" MNPT, 2.46 Cv	041704-026
	1" SWT to 1" MNPT, 3.53 Cv	041704-027
	1" SWT to 1" MNPT, 7.42 Cv	041704-028
	1" SWT to 1" MNPT, 16.6 Cv	041704-029
	Y-Strainer	3/4" SWT to 3/4" SWT, 2 Way
3/4" SWT to 3/4" SWT, 3 Way		041657-005
1/2" SWT to 3/4" SWT, 2 Way		041657-006
1" SWT to 3/4" SWT, 2 Way		041657-007
1/2" SWT to 3/4" SWT, 3 Way		041657-008
Union	3/4" UU TO 1/2" MNPT	041660-001
	3/4" UU TO 3/4" MNPT	041660-002
	3/4" UU TO 1" MNPT	041660-003
18" Flex Hose	1/2" FNPSH to 1/2" FNPSH	041618-001
	3/4" FNPSH to 3/4" FNPSH	041618-002
	1/2" FNPSH to 1/2" MNPT	041618-003
	3/4" FNPSH to 3/4" MNPT	041618-004
	1" FNPSH to MNPT 1"	041618-005
	1" FNPSH to 1" FNPSH	041618-006
Ball Valve	1/2" SWT to 1/2" MNPT	041672-001
	3/4" SWT to 3/4" MNPT	041672-002

PIPING PACKAGE

REPLACEMENT COMPONENTS

Component	Description	Part #
Temperature Control Valve 2 Way	1/2" ON/OFF	076535-001
	1/2" FLOATING	076535-002
	1/2" MODULATING Cv1.2	076535-003
	1/2" MODULATING Cv2.4	076535-004
	1/2" MODULATING Cv5.9	076535-005
	3/4" ON/OFF	076535-006
	3/4" FLOATING	076535-007
	3/4" MODULATING Cv0.5	076535-025
	3/4" MODULATING Cv2.3	076535-008
	3/4" MODULATING Cv4.6	076535-009
	3/4" MODULATING Cv9.8	076535-010
	1" ON/OFF	076535-019
	1" FLOATING	076535-020
	1" MODULATING Cv0.5	076535-021
	1" MODULATING Cv2.2	076535-022
	1" MODULATING Cv4.3	076535-023
	1" MODULATING Cv8.2	076535-024
Temperature Control Valve 3 Way	1/2" ON/OFF, Cv 4.0	076536-011
	1/2" MOD, Cv 1.0	076536-012
	1/2" MOD, Cv 1.6	076536-013
	1/2" MOD, Cv 4.0	076536-014
	1/2" MOD, Cv 6.3	076536-015
	3/4" ON/OFF, Cv 10.0	076536-016
	3/4" MOD, Cv 6.3	076536-017
	3/4" MOD, Cv 10.0	076536-018

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