

Three-Way Thermostatic Valves Model 2014 & 2015

Datasheet



Including:

- S2014-1 1 1/2" Socket Weld Connection
- S2014 2" Socket Weld Connection
- S2015-1 1 1/2" Socket Weld Connection
(Reverse Flow)
- S2015 2" Socket Weld Connection
(Reverse Flow)
- S2014-X16 2" Butt Weld Connection
- S2015-X16 2" Butt Weld Connection
(Reverse Flow)

Features and Benefits

- Neoprene O-ring seal on cover
- Wide range of temperatures
- Self-contained
- Replaceable element without breaking connections
- Non-adjustable
- Rugged construction
- Tamper-proof
- Operate in any position
- Compact

Compact, reliable temperature control

Fluid Power Energy (FPE) Thermostatic Valves use the principle of expanding wax, which in the semi-liquid state undergoes large expansion rates within a relatively narrow temperature range. The self-contained nickel-plated element assembly activates a sleeve, which directs flow. All FPE thermostatic valves are factory set at predetermined temperatures: no further adjustments are necessary. A wide range of temperatures are available for water and oil temperature control applications.

When used in a diverting application, on start-up the total fluid flow is routed back to the main system. As fluid temperature rises to the control range, some fluid is diverted to the cooling system. As fluid temperature continues to increase, more flow is diverted. When the thermostat is in a fully stroked condition, all fluid flow is directed to the cooling system. FPE thermostatic valves may also be used in a mixing application.

In a mixing application, hot fluid enters the "B" port and colder fluid enters the "C" port. The flows mix and the thermostat adjusts to reach the desired temperature, exiting the "A" port.

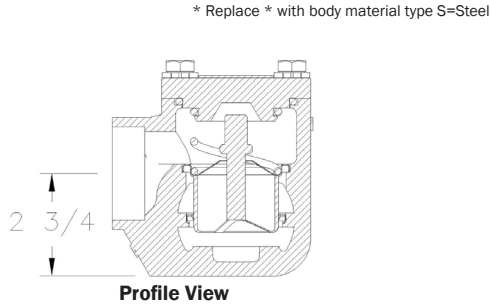
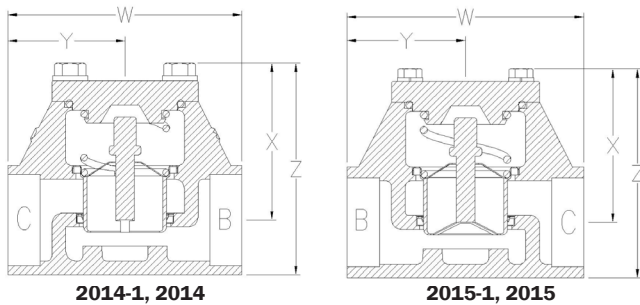
FPE 2014/2015 Thermostatic Valve Housings are made from (WCB) steel.

Optional features available upon request.

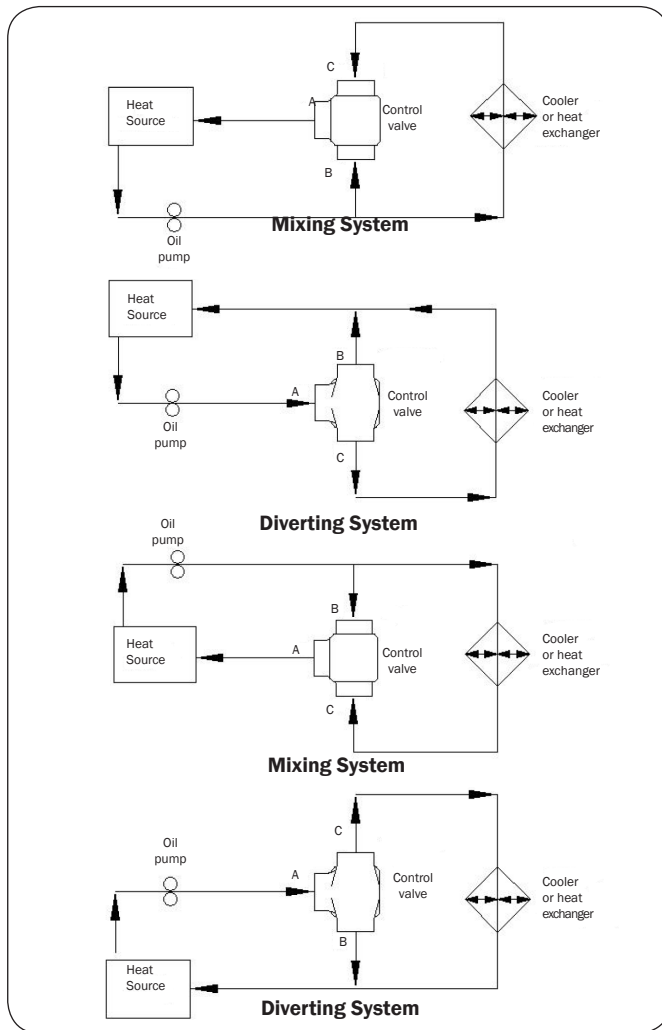
Specification

Model Number	Body Material (*)	Nominal Pipe Size	Principal Dimensions Units - inches (mm)				Max. width in other plane	Flange Drilling			No. of elements	Approx. shipping weight
			"X"	"Y"	"W"	"Z"		No. of holes	Dia. of holes	Bolt circle		
*2014-1 *2015-1	S	1 1/2" socket weld	4 5/16 (125.41)	3 3/16 (96.84)	6 7/16 (163.51)	5 13/16 (147.64)	5 15/16 (150.81)	N/A	N/A	N/A	1	20#
*2014 *2015	S	2" socket weld	4 5/16 (125.41)	3 3/16 (96.84)	6 7/16 (163.51)	5 13/16 (147.64)	5 15/16 (150.81)	N/A	N/A	N/A	1	20#
*2014-X16 *2015-X16	S	2" butt weld	4 5/16 (125.41)	3 3/16 (96.84)	6 7/16 (163.51)	5 13/16 (147.64)	5 15/16 (150.81)	N/A	N/A	N/A	1	21#

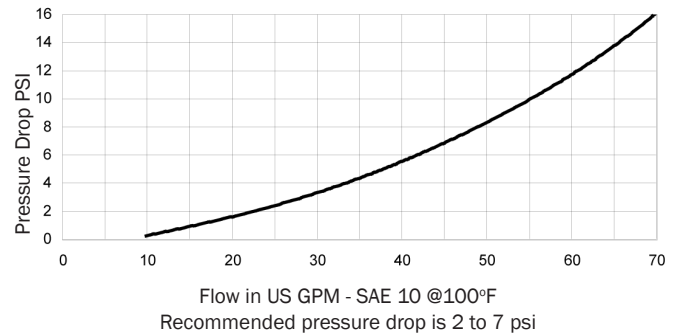
Pressure Ratings	
Material	PSI
S	500



* Replace * with body material type S=Steel



Flow vs. Pressure Drop



Spare Parts

Part Number	Description
S2104	Valve body
S2024	Valve cover
2014-2	Spring
2071	Lip seal
2040P-Temp	Plated thermostat (Temp to follow dash)
1604	Hex bolt
1605	Lock washer
1570E	Neoprene O-ring
1590	Nameplate
FPE Model 2000E	Replacement kit (includes the following:)
1570E	Neoprene O-ring
2071	Lip seal
2050P-Temp	Plated Thermostat (Temp to follow dash)

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