

Model 0750

3/4" to 1/2"

DN20 to DN15



**Fluid
Power
Energy**

Three-Way Thermostatic Valves



Compact and Reliable Temperature Control

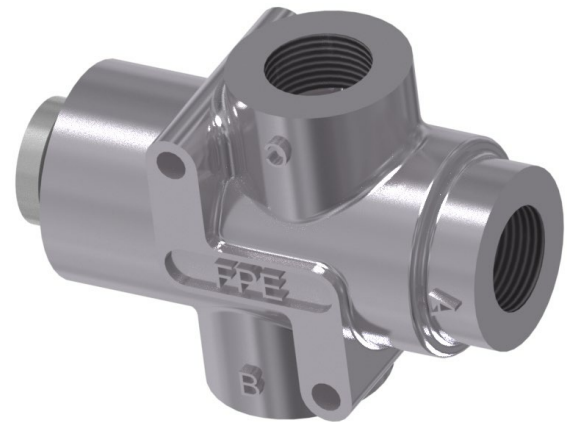
Fluid Power Energy (FPE) thermostatic valves utilize the principle of expanding wax, which in the semi-liquid state undergoes large expansion rates within a relatively narrow temperature range. The self-contained element activates a stainless steel sleeve, which directs flow. All FPE thermostatic valves are factory set at predetermined temperatures: no further adjustments are necessary.

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. Hot fluid enters the "B" port and colder fluid enters the "C" port. The flows mix and the thermostat adjusts flow through ports "B" and "C" to reach the desired temperature, exiting the "A" port.

Standard FPE thermostatic valve housings are made from aluminum and grey iron castings, however, ductile iron, bronze, steel and stainless steel housings are available.

Additional BSP, SAE and JIS threads available.



Including:

0750	3/4" NPT
0752	1/2" NPT
0750J12	3/4" SAE O-Ring

Features and Benefits

- Wide range of temperatures
- Heavy duty
- Self-contained
- Replaceable element
- Non-adjustable
- Rugged construction
- Tamper-proof
- Operate in any orientation
- Compact

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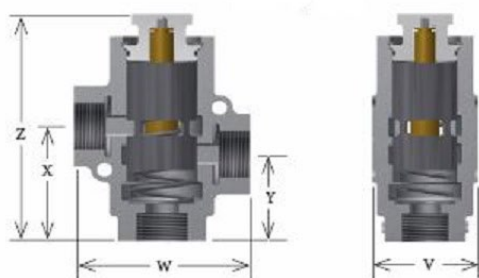
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Model 0750 Three-Way Thermostatic Valve Specifications

All units in inches (mm) or lbs (Kg); English (metric)

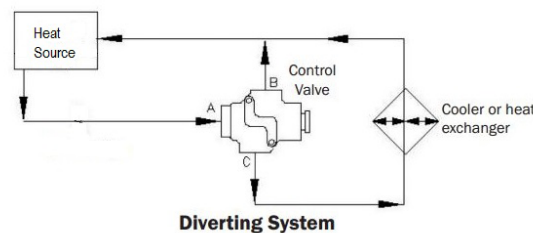
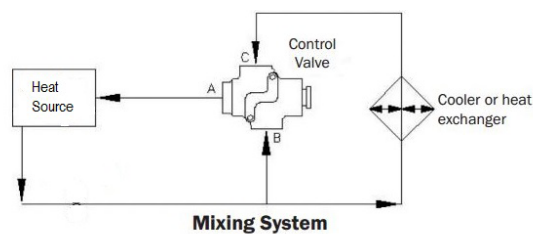
Model Number	Body Material*	Connection Size	Principal Dimensions Units					No. of elements
			X	Y	W	Z	V	
*0750	AL, B	3/4" NPT	2 3/8 (60)	1 13/16 (46)	3 1/4 (82)	4 9/16 (115)	2 1/8 (54)	1
*0750D1	AL, B	3/4" NPT low flow	2 3/8 (60)	1 13/16 (46)	3 1/4 (82)	4 9/16 (115)	2 1/8 (54)	1
*0750J12	AL, B	SAE 12 3/4"	2 3/8 (60)	1 13/16 (46)	4 (101)	4 15/16 (125)	2 1/8 (54)	1
*0750J12D1	AL, B	3/4" SAE 12 low flow	2 3/8 (60)	1 13/16 (46)	4 (101)	4 15/16 (125)	2 1/8 (54)	1
*0752	AL, B	1/2" NPT	2 3/8 (60)	1 13/16 (46)	3 1/4 (82)	4 9/16 (115)	2 1/8 (54)	1
*0752D1	AL, B	1/2" NPT low flow	2 3/8 (60)	1 13/16 (46)	4 (101)	4 15/16 (125)	2 1/8 (54)	1
*0750JW	AL, B	3/4" NPT Two Way	2 3/8 (60)	1 13/16 (46)	3 1/4 (82)	5 3/8 (136)	2 1/8 (54)	1
*0750JWJ12	AL, B	SAE 12 3/4" Two Way	2 3/8 (60)	1 13/16 (46)	4 (101)	5 3/8 (136)	2 1/8 (54)	1
*0752JW	AL, B	1/2" NPT Two Way	2 3/8 (60)	1 13/16 (46)	3 1/4 (82)	5 3/8 (136)	2 1/8 (54)	1

Replace * with body material type: AL = Aluminum B = Bronze,



Pressure ratings @ 250°F			Weights	
Material	AL	B	AL	B
psi	150	180	2 (1)	4 (2)
Bar	10.3	12.4		

Service Kits (xxx represents temperature °F)		
Model	O-Ring	Thermostat
0700-xxx	1 of Buna-N	1
0700V-xxx	1 of Viton	1
0700E-xxx	1 of Neoprene	1



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