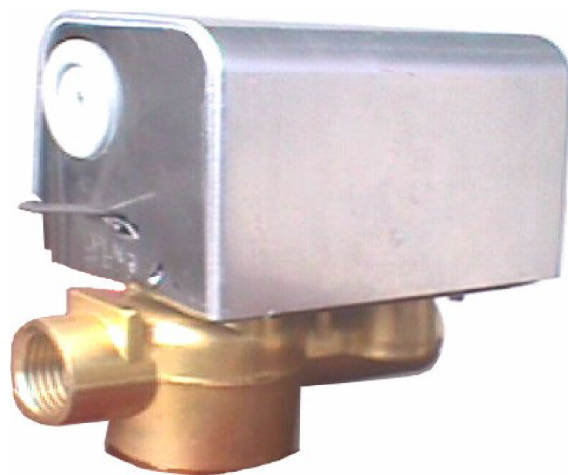


Description

Temco VLV-ZN Series two way and three way Zone Valves with On/Off action and spring return are designed for the control of hot and chilled water. The valves are resistant to high moisture conditions and feature a 2 year warranty. CE approval, UL pending.

The zone valves are operated by a synchronous motor rotating a spring loaded shaft. A metal tab allows the valve to be put in to the manual open position, which springs to auto the first time the valve is powered up.



Specifications

- 2way normally closed/normally open or 3way diverting
- Single piece forged brass body, female NPT fitting on all ports, nickel coated brass bearing plate.
- Heavy duty gears and spring for long lasting service.
- 10VAC and 24VAC +/-10%, 50-60hz, 5Watts
- NPT female thread,
- Removable/ replaceable motor.

How To Specify

Zone valves shall be of the spring return type with replaceable motors and manual override tab.

The valve bodies shall be pressure rated to 2MPa, complete with replaceable repair element to facilitate maintenance without removing the valves from the line. 2way and three way valves shall be NPT female fittings on all ports.

The actuators shall use synchronous motors operating through metal gears to final quadrant. The valves shall spring return on a power failure, or in the case of modulating valves, fail last position.

Model		Zone Valve Model Description				
VLV-ZN		Zone Valve, Female NPT at Both Ends				
	Action	Actuator Description				
	-2P	2 Position				
	-MOD	0-10VDC Modulating signal				
	-FL	Floating				
		2 way valves	Pipe Size	Kv	Cv	Close-off psi
		-2W-DN12-CV2.1	½" (12mm)	2.1	2.3	43.5
		-2W-DN12-CV3.7	½" (12mm)	3.4	3.7	30
		-2W-DN18-CV3.7	¾" (18mm)	3.4	3.7	30
		-2W-DN25-CV8.0	1" (25mm)	7.3	8.0	14.5
		3 way valves	Pipe Size	Kv	Cv	Close-off psi
		-3W-DN12-CV5.0	½" (12mm)	4.6	5.0	30
		-3W-DN18-CV5.4	¾" (18mm)	4.9	5.4	30
		-3W-DN25-CV6.7	1" (25mm)	6.1	6.7	14.5
				Volts	Actuator Power supply	
-24V	24 VAC, 50/60hz, 5Watts					
-110V	110VAC, 50/60hz, 5Watts					
-220V	220VAC, 50/60Hz, 5watts					
Example: VLV-ZN-2P-2W-DN12-CV3.7-24V zone valve, 2way, 2position, Cv=3.7, ½" NPT fittings, 24VACmotor						

PIPING DIAGRAM MODULATING/FLOATING VALVES

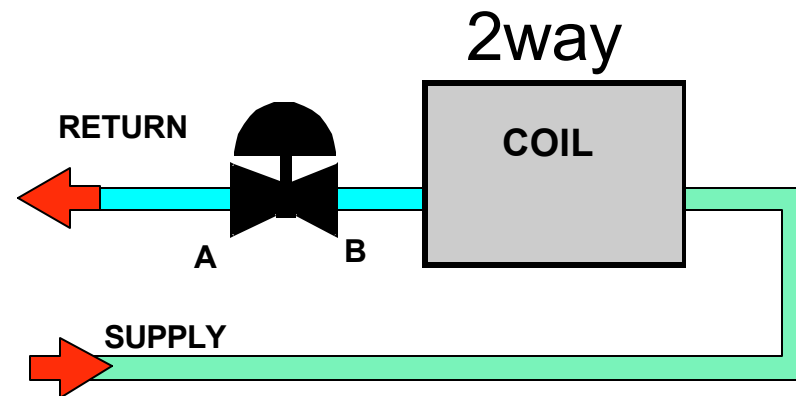
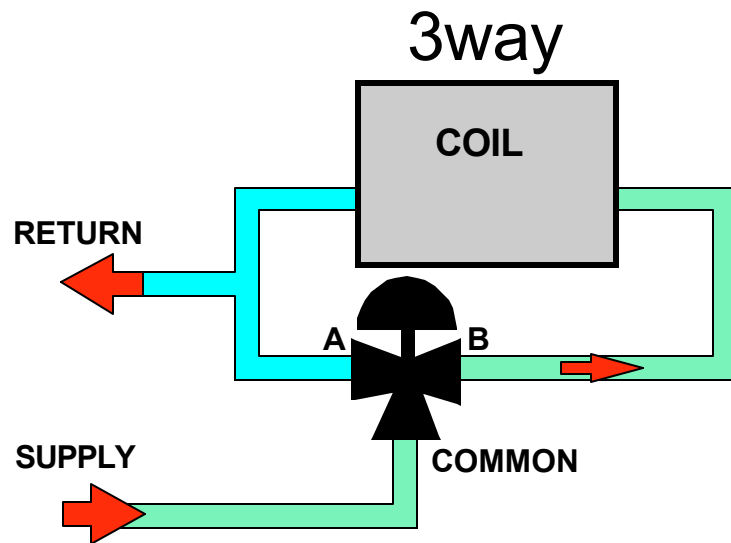


PHOTO SHOWING PORTS



Zone Valve Piping Diagram
Date: Aug 1, 2002
Version: 2
File: PipingDiagram1.cdr
Page: 1/1