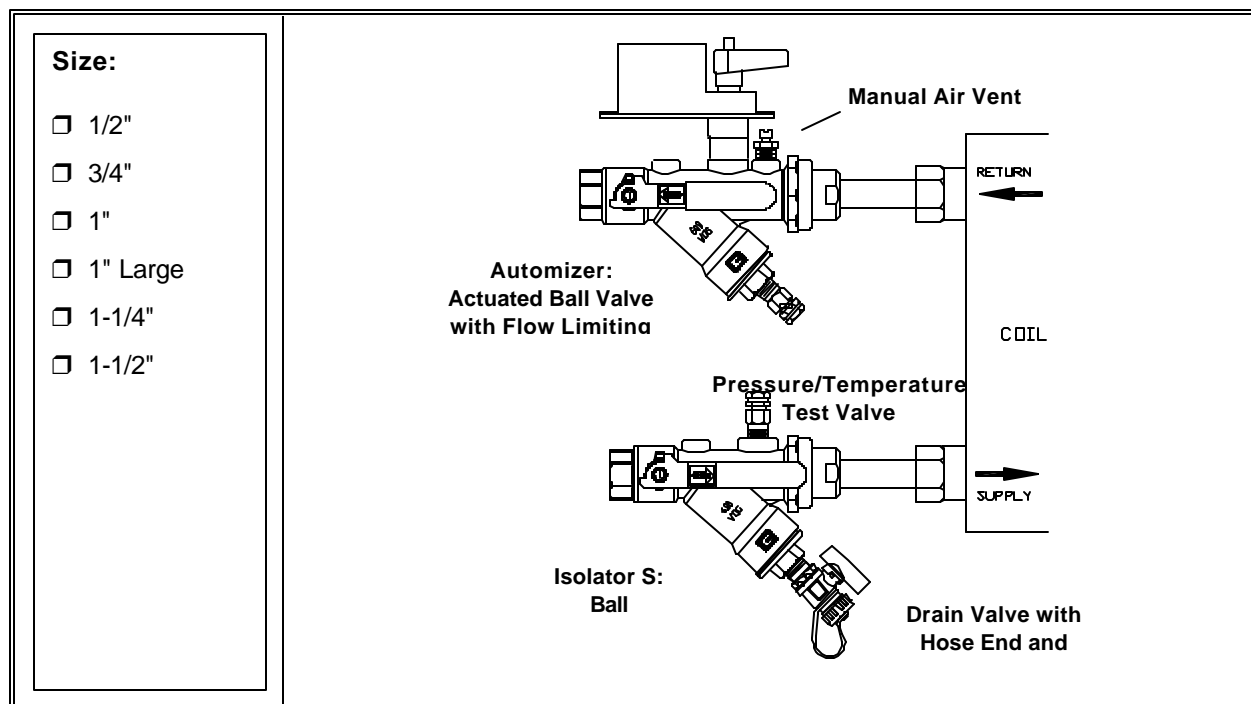


ALL END CONNECTIONS ARE FEMALE THREADED**Specifications**

Automizer Actuated Ball Valve: Forged brass (ASTM B283) housing. Valve includes one fixed (FNPT) connection and one union (FNPT) connection. Assembly features integrated isolation ball valve and flow limiting stainless steel flow control cartridge. Cartridge can be removed for inspection or replacement without disturbing piping connections. Housing assembly includes reinforced Teflon and EPDM o-ring seals, and nickel plated ball. Assembly also includes Universal Mounting Plate, shaft, mounting hardware, and two Pressure/Temperature Test Valves.

PSI/Temperature Rating: 360 PSI / -22°F to 250°F.

Note: Actuator is sold separately, either through Griswold Controls or others.

Isolator S: Ball valve and integrated strainer. Valve housing is forged brass with Teflon seals and Nickel plated ball. Strainer is 20 mesh stainless steel and can be removed from housing without disturbing pipe connections for inspection or replacement. Valve includes one fixed (FNPT) connection and one union (FNPT) connection. Union end includes union nut and EPDM o-ring. Body has one 1/4" tapped port with one pressure/temperature test valve. Assembly includes drain valve with 3/4" hose connection with cap. Valve is fully assembled.

PSI/Temperature Rating: 400 PSI / 250°F.

Drain Valve: Rated 275 PSI / 250°F. Brass housing, Nickel plated ball. 3/4" NPSH hose connection.

Pressure/Temperature Test Valve: Rated 1000 PSI / 350°F. Brass Housing, Nordel Seal.

Manual Air Vent: Rated 1000 PSI / 350°F. Brass Housing.

Automizer Cv's

Size	CV's Available
1/2"	.40, .70, 1.3, 2.4, 3.7, 6.2
3/4"	.40, .70, 1.3, 2.6, 4.3, 7.4,
1"	.30, .60, 1.3, 2.3, 3.8, 6.9
1" Large	3.0,5.0,10.5, 14.4
1-1/4"	4.0,7.3,10.4, 14.6
1-1/2"	4.0,7.3,10.2, 14.5

Cartridge Flow Rates (+/-5%)

Size	Model No.	Head Loss In Feet ¹	PSID Range	GPM
1/2" 3/4" 1"	3AR11	3.5	1-14	.33, .50, .67, 1.00, 1.33, 1.67, 2.00, 2.33, 2.67, 3.33, 4.00, 4.67, 5.00
	3AR12	7.4	2-32	.55, .75, 1.00, 1.50, 2.00, 2.50, 3.00, 3.50, 4.00, 5.00, 6.00, 7.00, 8.00
	3AR14	13.4	4-57	.75, 1.00, 1.33, 2.00, 2.67, 3.33, 4.00, 4.67, 5.33, 6.67, 8.00, 9.33, 10.00
	3AR18	30.0	8-128	1.10, 1.50, 2.00, 3.00, 4.00, 5.00, 6.00, 7.00, 8.00, 10.0, 12.0, 14.0, 16.0
1" ² 1-1/4" 1-1/2"	3AR21	3.5	1-14	3.0, 3.33, 4.00, 4.67, 5.33, 6.00, 6.67, 7.33, 8.00, 8.67, 9.33, 10.00, 10.67, 11.33, 12.00, 12.67, 13.33, 14.00, 14.67
	3AR22	7.4	2-32	4.5, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 16.0, 17.0, 18.0, 19.0, 20.0, 21.0, 22.0
	3AR24	13.4	4-57	6.00, 6.67, 8.00, 9.33, 10.67, 12.00, 13.33, 14.67, 16.00, 17.33, 18.67, 20.00, 21.33, 22.67, 24.00, 25.33, 26.67, 28.00, 29.33
	3AR28	30.0	8-128	9.0, 10.0, 12.0, 14.0, 16.0, 18.0, 20.0, 22.0, 24.0, 26.0, 28.0, 30.0, 32.0, 34.0, 36.0, 38.0, 40.0, 42.0, 44.0

1 1" Valve with 1-1/2" cartridge.