



Specifications

Unimizer® Actuated Ball Valve: Forged brass (ASTM B283) housing. Valve includes two fixed FNPT fixed ends. Housing assembly includes reinforced Teflon, and EPDM o-ring seals, nickel plated ball, and blow out proof brass stem. Assembly also includes Universal Mounting Plate, shaft, and mounting hardware. PSI/Temperature Rating: 360 PSI / -22°F to 250°F. **Note: Actuator is sold separately, either through Griswold Controls or others.**

Isolator™ B: Forged brass (ASTM B283) union ball valve. Valve housing includes field repairable dual Teflon and EPDM o-ring seal stem, with Nickel plated full port ball. Valve includes one fixed end (FNPT or SWT) connection and one union (MNPT) connection. Union end includes union nut and EPDM o-ring. Valve body has two ports with (1) combination Pressure/Temperature Test Valve and manual air vent (CPTA). Valve is fully assembled. PSI/Temperature Rating: 400 PSI / 250°F.

Isolator™ Y: Forged brass (ASTM B283) automatic flow control valve with 20 mesh stainless steel strainer, ball valve, and stainless steel flow control cartridge. Cartridge and strainer can be removed and replaced without disturbing piping connections. Valve housing includes field repairable dual Teflon and EPDM o-ring seal stem, with Nickel plated full port ball. Valve includes one fixed end (FNPT or SWT) connection and one union end (FNPT or SWT) connection. Union end includes union nut and EPDM o-ring. Body has two ports with (1) combination Pressure/Temperature Test Valve and manual air vent (CPTA), and (1) 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.

Union: Forged brass (ASTM B283) union. Union includes one fixed end (FNPT or SWT) connection and one union (MNPT) connection. Union end includes union nut and EPDM o-ring. Union body has one port with combination Pressure/Temperature Test Valves and manual air vent (CPTA). 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.

Combination Pressure/Test Valve & Manual Air Vent (CPTA): Pressure/Temperature Test Valve works in conjunction with valve body feature to function as Manual Air Vent. Requires both components to operate as manual air vent.

CPP-2IYU PACKAGES

Model Number Selection:

Size	Model Number- FNPT	Model Number- SWT	Add Unimizer® Size to Model Number
1/2" Large	1A.CPP2YYY1E	1A.CPP2YYY1L	1/2"=H
3/4" Large	1A.CPP2YYY1F	1A.CPP2YYY1M	1/2"=H, 3/4"=I
1"	1A.CPP2YYY1G	1A.CPP2YYY1N	1/2"=H, 3/4"=I, 1"=J
1" Large	1B.CPP2YYY2G	1B.CPP2YYY2N	1/2"=H, 3/4"=I, 1"=J
1-1/4"	1B.CPP2YYY2P	1B.CPP2YYY2K	1/2"=H, 3/4"=I, 1"=J, 1-1/4"=S
1-1/2"	1B.CPP2YYY2Q	1B.CPP2YYY2W	1/2"=H, 3/4"=I, 1"=J, 1-1/4"=S, 1-1/2"=T
1-1/2" Large	1C.CPP2YYY3Q	1C.CPP2YYY3W	1-1/4"=S, 1-1/2"=T
2"	1C.CPP2YYY3R	1C.CPP2YYY3Y	1-1/4"=S, 1-1/2"=T, 2"=U

Unimizer® Size	Unimizer® Model#	Cv's Available
1/2"	UR2A	.38, .68, 1.3, 2.6, 4.7, 8.0, 11.7
3/4"	UR2B	.31, .63, 1.2, 2.5, 4.3, 10.1, 14.7, 28.6
1"	UR2C	4.4, 9.0, 15.3, 26.1, 28.4, 43.9, 54.2
1-1/4"	UR2D	4.4, 8.3, 14.9, 36.5, 41.1, 102.3
1-1/2"	UR2E	22.8, 41.3, 73.9, 171.7
2"	UR2F	41.7, 57.0, 71.1, 100.0, 108.0, 210, 266.0

NOTES:

1. CPP to Unimizer® connection is NPT.
2. All inlet and outlet connections (including coil) are FNPT or SWT throughout package (no mixing of end connection types).
3. Optional Insulation Kit- includes cap and tube for insulation around handle, and appropriate number of extensions for PT/CPTA included in package. Add a "1" to the end of the model number to designate 1-1/2" insulation option and a "2" to the end of the model number to designate 2" insulation option.

Isolator™Y Flow Rates (+/- 5%)

SIZE	NOM. PSID	GPM
1/2"L 3/4"L 1"	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
	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
	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
	8-128	1.10, 1.50, 2.00, 3.00, 4.00, 5.00, 6.00, 7.00, 8.00, 10.00, 12.00, 14.00, 16.00
1"L, 1-1/4", 1-1/2"	1-14	3.0, 3.33, 4.0, 4.67, 5.33, 6.0, 6.67, 7.33, 8.0, 8.67, 9.33, 10.0, 10.67, 11.33, 12.0, 12.67, 13.33, 14.0, 14.67
	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
	4-57	6.0, 6.67, 8.0, 9.33, 10.67, 12.0, 13.33, 14.67, 16.0, 17.33, 18.67, 20.0, 21.33, 22.67, 24.0, 25.33, 26.67, 28.0, 29.33
	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
1-1/2"L, 2"	1-14	12.00, 14.00, 16.00, 18.00, 20.00, 22.00, 24.00, 26.00, 28.00, 30.00, 32.00, 34.00, 36.00, 38.00
	2-32	18.00, 21.00, 24.00, 27.00, 30.00, 33.00, 36.00, 39.00, 42.00, 45.00, 48.00, 51.00, 54.00, 57.00
	4-57	24.00, 28.00, 32.00, 36.00, 40.00, 44.00, 48.00, 52.00, 56.00, 60.00, 64.00, 68.00, 72.00, 76.00
	8-128	36.00, 42.00, 48.00, 54.00, 60.00, 66.00, 72.00, 78.00, 84.00, 90.00, 96.00, 102.00, 108.00, 114.00