



## Specifications

**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 (FNPT or SWT) connection. Union end includes union nut and EPDM o-ring. Valve body has one ports with combination Pressure/Temperature Test Valve and manual air vent (CPTA). Valve is fully assembled. PSI/Temp Rating: 600WOG-400PSI/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. 1/2"L to 1-1/2" body also includes 1/2" NPT bypass port. Assembly includes drain valve with 3/4" hose connection with cap. Valve is fully assembled. PSI/Temp Rating: 1/2"-1-1/2": 600WOG-400PSI/250°F. 1-1/2"L-2": 400WOG-275PSI/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/Temp Rating: 400PSI/250°F

**Drain Valve:** Brass housing, Nickel plated ball. 1/2"-1":1/2"UNFx3/4"NPSH. 1-1/4"-2":3/4"UNFx3/4" NPSH. Rated 300PSI/250°F

**Combination Pressure/Test Valve & Manual Air Vent (CPTA):** Brass Housing, EPDM Seal. Rated 1000PSI/350°F 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.

**Brass Tee (1-1/2"L to 2" only):** Cast bronze body with FxFx threaded connections. Tee is line size and not ATC size.

## CPP-3IY PACKAGES

## Model Number Selection:

Size	Model Number- FNPT	Model Number- SWT	Add ATC Size to Model Number
1/2" Large	A.CPP3YYY1E_	A.CPP3YYY1L_	1/2"=H
3/4" Large	A.CPP3YYY1F_	A.CPP3YYY1M_	1/2"=H, 3/4"=I
1"	A.CPP3YYY1G_	A.CPP3YYY1N_	1/2"=H, 3/4"=I, 1"=J
1" Large	B.CPP3YYY2G_	B.CPP3YYY2N_	1/2"=H, 3/4"=I, 1"=J
1-1/4"	B.CPP3YYY2P_	B.CPP3YYY2K_	1/2"=H, 3/4"=I, 1"=J, 1-1/4"=S
1-1/2"	B.CPP3YYY2Q_	B.CPP3YYY2W_	1/2"=H, 3/4"=I, 1"=J, 1-1/4"=S, 1-1/2"=T
1-1/2" Large	C.CPP3YYY3Q_	C.CPP3YYY3W_	1-1/4"=S, 1-1/2"=T
2"	C.CPP3YYY3R_	C.CPP3YYY3Y_	1-1/4"=S, 1-1/2"=T, 2"=U

**NOTES:**

- Connections to ATC are line size MNPT.
- All inlet and outlet connections (including coil) are FNPT or SWT throughout package (no mixing of end connection types).
- Optional Extension 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