



## Specifications

**QuickSet®:** Forged brass (ASTM B283) manual balance valve with brass venturi insert and graduated memory stop. 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 Valves and manual air vent (CPTA), and (1) Pressure/Temperature Test Valve. Valve is fully assembled. PSI/Temperature Rating: 400 PSI / 250°F.

**Isolator S:** Ball valve and integrated strainer. Valve housing is forged brass with field repairable dual Teflon and EPDM o-ring seal stem. 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 or SWT) connection and one union (FNPT or SWT) connection. Union end includes union nut and EPDM o-ring. Body has one port with combination Pressure/Temperature Test Valves & Manual Air Vent (CPTA). 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.

## NOTES

<sup>1</sup> QuickPress is available on 1/2" to 1" valves. Connections are compatible with popular press tools and are rated for maximum 200 PSI.

## CPP-2QIS PACKAGES

## Model Number Selection:

Size	Model Number- FNPT	Model Number- SWT	Model Number- QUICKPRESS	Model Number- (Line: FNPT; Coil: SWT)	Model Number- (Line: SWT; Coil: FNPT)	Add ATC Size to Model Number*
1/2"	CPP2QSQS0E	CPP2QSQS0L	CPP2QSQS07	CPP2QSQS01	CPP2QSQS01Z	1/2"=H
3/4"	CPP2QSQS0F	CPP2QSQS0M	CPP2QSQS08	CPP2QSQS02	CPP2QSQS02Z	1/2"=H, 3/4"=I
3/4" L	CPP2QSQS1F	CPP2QSQS1M	CPP2QSQS18	CPP2QSQS12	CPP2QSQS12Z	1/2"=H, 3/4"=I
1"	CPP2QSQS1G	CPP2QSQS1N	CPP2QSQS19	CPP2QSQS13	CPP2QSQS13Z	1/2"=H, 3/4"=I, 1"=J
1-1/4"	CPP2QSQS2P	CPP2QSQS2K	n/a	CPP2QSQS24	CPP2QSQS24Z	1/2"=H, 3/4"=I, 1"=J, 1-1/4"=S
1-1/2"	CPP2QSQS2Q	CPP2QSQS2W	n/a	CPP2QSQS25	CPP2QSQS25Z	1"=J, 1-1/4"=S, 1-1/2"=T
2"	CPP2QSQS3R	CPP2QSQS3Y	n/a	CPP2QSQS36	CPP2QSQS36Z	1-1/2"=T, 2"=U

\* Some Control Valve sizes have QuickSet Cv limitations. 1/2" Control Valve may not be compatible with Cv of 12.2, 21.8, 22.1, 54.7; 3/4" Control Valve may not be compatible with Cv of 21.8, 22.1, 54.7; 1" Control Valve may not be compatible with Cv of 54.7 or 105.2; 1-1/4" Control Valve may not be compatible with Cv of 105.2.

**NOTES:**

- Connections to Control Valve are MNPT.
- 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" extension option and a "2" to the end of the model number to designate 2" extension option.<sup>2</sup>
- Standard CPPs include nickel-plated brass ball and brass stem. For optional stainless steel ball and stem change "CPP" to "CPS" in model number.

**QuickSet® Flow Rates (+/- 3%)**

OUTLET SIZE	MODEL NO.	FLOW GPM <sup>(3)</sup> AT 4 FT/SEC	Cv <sup>(4)</sup>	GPM RANGE FOR 5"–100" W.C. ΔP (SET W/100" GAUGE)	GPM RANGE FOR 5"–300" W.C. ΔP (SET W/300" GAUGE)
1/2", 3/4"	QS0	3.8	0.39	0.15 – 0.67	0.15 – 1.16
			1.1	0.3 – 1.4	0.3 – 2.4
			2.5	0.6 – 2.8	0.6 – 4.6
			4.2	1.2 – 5.4	1.2 – 9.4
3/4"L	QS1	6.7	0.9	0.3 – 1.4	0.3 – 2.5
			1.9	0.6 – 2.8	0.6 – 4.9
			3.9	1.3 – 5.6	1.3 – 9.7
			7.0	2.6 – 11.5	2.6 – 19.9
1"	QS1	10.8	1.8	0.6 – 2.8	0.6 – 5.0
			3.8	1.3 – 5.6	1.3 – 9.7
			7.6	2.6 – 11.5	2.6 – 19.9
			12.2	3.9 – 17.3	3.9 – 30.0
1-1/4"	QS2	18.7	10.0	3.4 – 15.0	3.4 – 26.2
			21.8	7.2 – 32.3	7.2 – 55.9
1-1/2"	QS2	25.4	22.1	7.4 – 33.0	7.4 – 57.2
			54.7	13.9 – 62.0	13.9 – 107.4
2"	QS3	41.9	65.2 <sup>5</sup>	21.6 – 96.5	21.6 – 167.1
			105.2	21.6 – 96.5	21.6 – 167.1

**NOTES**

<sup>2</sup> Extension Option includes handle cover and accessory extensions for either 1-1/2" or 2" insulation.

<sup>3</sup> The generally accepted upper limit as recommended by ASHRAE to prevent pipe noise is 4 ft/sec.

<sup>4</sup> Cv's are used to calculate the permanent pressure drop.  $PSID=(Flow/Cv)^2$ . Use the Flow Curve for flow measurement.

<sup>5</sup> 65.2 Cv includes an optimizer insert in the ball.