



**Specifications**

**QuickDisc:** Forged brass (ASTM B283) manual balance valve with ceramic disc isolation, brass venturi insert<sup>2</sup> and graduated memory stop. Valve includes one fixed end (FNPT) connection and one union (FNPT, MNPT, or SWT) connection. Union end includes union nut and EPDM o-ring. Valve body has two ports with Pressure/Temperature Test Valves. Valve is fully assembled. PSI/Temperature Rating: 400 PSI / 250°F.

**IsolatorS:** 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 one 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.

**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> ProPress option is MNPT x ProPress adapters.

<sup>2</sup> Patent Pending for Disc and Venturi

**MODEL NUMBER SELECTION**

Size	Model Number FNPT	Model Number ProPress	Model Number Line: FNPT; Coil: MNPT	Model Number Line: FNPT; Coil: SWT
1/2"	Q.CPP1QDIS0E	Q.CPP1QDIS02	Q.CPP1QDIS0H	Q.CPP1QDIS0L
3/4"	Q.CPP1QDIS0F	Q.CPP1QDIS03	Q.CPP1QDIS0I	Q.CPP1QDIS0M

**FLOWRATE VS SIGNAL**

SIGNAL (INCH WC)	FLOW RATE (GPM) AT PERCENT OPEN																	
	1/2" OUTLET									3/4" OUTLET								
	20%	30%	40%	50%	60%	70%	80%	90%	100%	20%	30%	40%	50%	60%	70%	80%	90%	100%
5	0.5	0.7	0.8	1.0	1.2	1.5	1.9	2.0	2.0	0.4	0.3	0.9	1.1	1.5	1.8	2.3	2.4	2.3
10	0.8	1.0	1.2	1.6	1.9	2.4	3.0	3.1	3.2	0.5	0.6	1.3	1.6	2.2	2.6	3.3	3.6	3.5
15	0.9	1.3	1.6	2.0	2.5	3.1	3.8	4.0	4.0	0.6	0.7	1.5	2.0	2.8	3.3	4.1	4.5	4.4
20	1.1	1.5	1.9	2.4	3.0	3.7	4.5	4.7	4.8	0.7	0.9	1.8	2.3	3.2	3.8	4.7	5.3	5.2
25	1.2	1.7	2.1	2.7	3.4	4.3	5.1	5.3	5.4	0.7	1.0	2.0	2.6	3.6	4.3	5.3	6.0	5.9
30	1.3	1.9	2.3	3.0	3.8	4.7	5.7	5.9	6.0	0.8	1.1	2.1	2.9	4.0	4.7	5.8	6.6	6.5
35	1.4	2.0	2.5	3.3	4.1	5.2	6.2	6.5	6.5	0.9	1.2	2.3	3.2	4.3	5.1	6.3	7.1	7.1
40	1.5	2.2	2.7	3.5	4.4	5.6	6.6	6.9	7.0	0.9	1.3	2.5	3.4	4.6	5.5	6.8	7.7	7.6
45	1.6	2.3	2.9	3.8	4.7	5.9	7.1	7.4	7.5	1.0	1.4	2.6	3.6	4.9	5.8	7.2	8.2	8.1
50	1.7	2.5	3.1	4.0	5.0	6.3	7.5	7.9	7.9	1.0	1.5	2.8	3.8	5.2	6.2	7.6	8.6	8.6
55	1.8	2.6	3.3	4.2	5.3	6.6	7.9	8.3	8.3	1.1	1.6	2.9	4.0	5.5	6.5	8.0	9.1	9.0
60	1.9	2.7	3.4	4.4	5.5	7.0	8.3	8.7	8.7	1.1	1.7	3.0	4.2	5.7	6.8	8.3	9.5	9.5
65	1.9	2.8	3.6	4.6	5.8	7.3	8.7	9.1	9.1	1.2	1.8	3.1	4.4	6.0	7.1	8.7	9.9	9.9
70	2.0	2.9	3.7	4.8	6.0	7.6	9.0	9.4	9.5	1.2	1.9	3.2	4.5	6.2	7.3	9.0	10.3	10.3
75	2.1	3.1	3.8	5.0	6.2	7.9	9.3	9.8	9.9	1.3	1.9	3.4	4.7	6.4	7.6	9.3	10.7	10.7
80	2.1	3.2	4.0	5.2	6.5	8.2	9.7	10.1	10.2	1.3	2.0	3.5	4.9	6.6	7.9	9.7	11.0	11.0
85	2.2	3.3	4.1	5.4	6.7	8.4	10.0	10.5	10.5	1.3	2.1	3.6	5.0	6.8	8.1	10.0	11.4	11.4
90	2.3	3.4	4.2	5.5	6.9	8.7	10.3	10.8	10.9	1.4	2.1	3.7	5.2	7.1	8.3	10.3	11.7	11.7
95	2.3	3.5	4.4	5.7	7.1	8.9	10.6	11.1	11.2	1.4	2.2	3.8	5.3	7.3	8.6	10.5	12.1	12.1
100	2.4	3.6	4.5	5.9	7.3	9.2	10.9	11.4	11.5	1.4	2.3	3.9	5.5	7.4	8.8	10.8	12.4	12.4
110	2.5	3.7	4.7	6.2	7.7	9.7	11.5	12.0	12.1	1.5	2.4	4.1	5.7	7.8	9.2	11.4	13.0	13.0
120	2.6	3.9	4.9	6.5	8.0	10.1	12.0	12.6	12.7	1.6	2.5	4.2	6.0	8.2	9.7	11.9	13.6	13.7
130	N/A	4.1	5.1	6.7	8.4	10.6	12.5	13.1	13.2	1.6	2.6	4.4	6.3	8.5	10.1	12.4	14.2	14.2
140	N/A	4.2	5.4	7.0	8.7	11.0	13.0	13.6	13.7	1.7	2.7	4.6	6.5	8.8	10.5	12.8	14.7	14.8
150	N/A	4.4	5.5	7.3	9.0	11.4	13.5	14.1	14.2	1.8	2.8	4.7	6.7	9.2	10.8	13.3	15.3	15.3
160	N/A	4.5	5.7	7.5	9.3	11.8	14.0	14.6	14.7	1.8	2.9	4.9	7.0	9.5	11.2	13.7	15.8	15.9
170	N/A	4.7	5.9	7.8	9.6	12.2	14.4	15.1	15.2	1.9	3.0	5.0	7.2	9.8	11.6	14.2	16.3	16.4
180	N/A	4.8	6.1	8.0	9.9	12.6	14.9	15.5	15.7	1.9	3.1	5.2	7.4	10.1	11.9	14.6	16.8	16.9
190	N/A	5.0	6.3	8.2	10.2	12.9	15.3	16.0	16.1	2.0	3.2	5.3	7.6	10.3	12.2	15.0	17.3	17.3
200	N/A	5.1	6.4	8.5	10.5	13.3	15.7	16.4	16.6	2.0	3.3	5.5	7.8	10.6	12.5	15.4	17.7	17.8
225	N/A	N/A	6.9	9.0	11.2	14.2	16.7	17.5	17.6	2.1	3.5	5.8	8.3	11.3	13.3	16.3	18.8	18.9
250	N/A	N/A	7.2	9.5	11.8	15.0	17.6	18.4	18.6	N/A	3.7	6.1	8.7	11.9	14.1	17.2	19.9	20.0
275	N/A	N/A	7.6	10.0	12.4	15.7	18.5	19.4	19.5	N/A	3.9	6.4	9.2	12.5	14.8	18.1	20.9	21.0
300	N/A	N/A	8.0	10.5	13.0	16.4	19.4	20.3	20.4	N/A	4.1	6.7	9.6	13.0	15.4	18.9	21.8	22.0