

**SPECIFICATIONS**

- PSI/Temperature Rating:** 600 WOG (400 PSI / 250°F)
- Flow Elements<sup>1</sup>:** Venturi: Brass  
Disc: Ceramic
- Body Material:** Forged Brass ASTM B283-06 (Optional Certified Lead Free Brass)
- Seal:** EPDM O-ring
- End Connections:** FNPT or SWT (Optional Union End Inlet for FNPT valve)
- Body Tappings:** P/T Test Valve
- Adjustment:** Pin with graduated marking on housings with a memory stop
- Assembly:** Valve comes fully assembled
- Installation:** Straight sections of piping upstream and downstream of the QuickDisc aren't necessary for proper operation

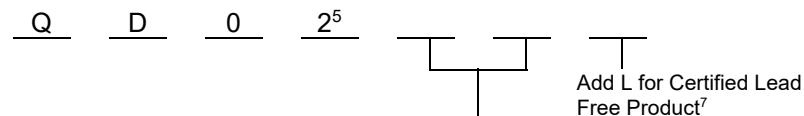
**FLOW RATES (+/-3%)**

OUTLET SIZE	MODEL NO.	FLOW GPM <sup>(2)</sup> AT 4 FT/SEC	Cv <sup>(3)</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"	QD0_E_	3.8	6.5	0.3 – 13.3	0.3 – 22.0
3/4"	QD0_F_	6.7			

**DIMENSIONS & WEIGHTS (NOMINAL)**

SIZE	A – LENGTH	B – HEIGHT	C	D-DEPTH	WEIGHT (LBS.)
1/2", 3/4"	2.7 <sup>4</sup>	2.3	1.7	2.0	0.6 <sup>4</sup>

**MODEL NUMBER SELECTION**



FIXED END OR UNION END <sup>6</sup> (No Union Tailpiece=X)			UNION END ONLY <sup>6</sup>
Female Threaded	Female Sweat	QuickPress <sup>7</sup>	Male Threaded
1/2"=E, 3/4"=F <sup>8</sup>	1/2"=L, 3/4"=M	1/2"=2, 3/4"=3	1/2"=H, 3/4"=I

**NOTES**

- <sup>1</sup> Patented Disc and Venturi
- <sup>2</sup> The generally accepted upper limit as recommended by ASHRAE to prevent pipe noise is 4 ft/sec.
- <sup>3</sup> Cv's are used to calculate the permanent pressure drop. PSID=(Flow/Cv)<sup>2</sup>. Use the Flowrate vs Signal Table for flow measurement.
- <sup>4</sup> Add 1.3" to length and 0.3# to weight for union option.
- <sup>5</sup> Replaces "1" in previous versions.
- <sup>6</sup> Select the Fixed End First and the Union End Second. If no union end is required select an "X" for the 2<sup>nd</sup> digit.
- <sup>7</sup> QuickPress option are Press adapters compatible Connections are compatible with popular press tools and are rated for maximum 200 PSI. QuickPress is not available for unit pack box option, union option OR Lead Free Option.
- <sup>8</sup> If union option is selected, tailpiece is not available for this size. Male tailpiece used with coupling.

**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	0.3	0.3	0.6	0.9	1.2	1.5	1.7	2.3	2.3	0.4	0.3	0.9	1.1	1.5	1.8	2.3	2.4	2.3
10	0.5	0.6	0.8	1.3	1.6	2.3	2.8	3.4	3.8	0.5	0.6	1.3	1.6	2.2	2.6	3.3	3.6	3.5
15	0.6	0.7	1.1	1.6	2.2	2.8	3.5	4.4	4.8	0.6	0.7	1.5	2.0	2.8	3.3	4.1	4.5	4.4
20	0.7	0.8	1.2	1.8	2.6	3.4	4.2	5.1	5.6	0.7	0.9	1.8	2.3	3.2	3.8	4.7	5.3	5.2
25	0.8	0.9	1.4	2.1	2.9	3.9	4.7	5.7	6.3	0.7	1.0	2.0	2.6	3.6	4.3	5.3	6.0	5.9
30	0.8	1.1	1.6	2.3	3.3	4.4	5.2	6.4	7.1	0.8	1.1	2.1	2.9	4.0	4.7	5.8	6.6	6.5
35	0.8	1.1	1.7	2.5	3.7	4.8	5.7	6.8	7.7	0.9	1.2	2.3	3.2	4.3	5.1	6.3	7.1	7.1
40	0.9	1.2	1.8	2.7	4.1	5.2	6.4	7.2	8.2	0.9	1.3	2.5	3.4	4.6	5.5	6.8	7.7	7.6
45	1.0	1.2	1.9	2.9	4.3	5.5	6.7	7.7	8.7	1.0	1.4	2.6	3.6	4.9	5.8	7.2	8.2	8.1
50	1.0	1.3	2.0	3.1	4.6	5.9	7.2	8.0	9.2	1.0	1.5	2.8	3.8	5.2	6.2	7.6	8.6	8.6
55	1.0	1.4	2.1	3.2	4.8	6.3	7.5	8.4	9.7	1.1	1.6	2.9	4.0	5.5	6.5	8.0	9.1	9.0
60	1.0	1.5	2.2	3.3	5.1	6.6	7.9	8.8	10.1	1.1	1.7	3.0	4.2	5.7	6.8	8.3	9.5	9.5
65	1.1	1.5	2.3	3.5	5.3	6.8	8.2	9.0	10.7	1.2	1.8	3.1	4.4	6.0	7.1	8.7	9.9	9.9
70	1.1	1.6	2.4	3.6	5.5	7.1	8.5	9.3	10.9	1.2	1.9	3.2	4.5	6.2	7.3	9.0	10.3	10.3
75	1.1	1.7	2.4	3.7	5.7	7.4	8.7	9.6	11.4	1.3	1.9	3.4	4.7	6.4	7.6	9.3	10.7	10.7
80	1.2	1.7	2.5	3.9	5.9	7.7	9.2	10.0	11.8	1.3	2.0	3.5	4.9	6.6	7.9	9.7	11.0	11.0
85	1.2	1.7	2.6	4.0	6.1	7.9	9.5	10.4	12.1	1.3	2.1	3.6	5.0	6.8	8.1	10.0	11.4	11.4
90	1.2	1.8	2.7	4.1	6.3	8.1	9.7	10.5	12.5	1.4	2.1	3.7	5.2	7.1	8.3	10.3	11.7	11.7
95	1.3	1.8	2.7	4.2	6.5	8.3	10.0	10.9	12.9	1.4	2.2	3.8	5.3	7.3	8.6	10.5	12.1	12.1
100	1.3	1.9	2.7	4.3	6.7	8.6	10.3	11.1	13.3	1.4	2.3	3.9	5.5	7.4	8.8	10.8	12.4	12.4
110	N/A	1.9	2.9	4.5	6.9	8.9	10.8	11.7	14.0	1.5	2.4	4.1	5.7	7.8	9.2	11.4	13.0	13.0
120	N/A	2.0	3.1	4.8	7.3	9.4	11.2	12.1	14.6	1.6	2.5	4.2	6.0	8.2	9.7	11.9	13.6	13.7
130	N/A	2.0	3.2	4.9	7.5	9.8	11.8	12.6	15.1	1.6	2.6	4.4	6.3	8.5	10.1	12.4	14.2	14.2
140	N/A	2.0	3.3	5.2	7.9	10.1	12.1	13.1	15.6	1.7	2.7	4.6	6.5	8.8	10.5	12.8	14.7	14.8
150	N/A	2.1	3.4	5.4	8.1	10.5	12.6	13.6	16.1	1.8	2.8	4.7	6.7	9.2	10.8	13.3	15.3	15.3
160	N/A	2.1	3.5	5.6	8.4	10.8	13.0	13.9	16.7	1.8	2.9	4.9	7.0	9.5	11.2	13.7	15.8	15.9
170	N/A	2.2	3.6	5.8	8.6	11.0	13.4	14.3	17.2	1.9	3.0	5.0	7.2	9.8	11.6	14.2	16.3	16.4
180	N/A	2.2	3.8	6.0	8.9	11.6	13.8	14.9	17.6	1.9	3.1	5.2	7.4	10.1	11.9	14.6	16.8	16.9
190	N/A	2.3	3.9	6.2	9.1	11.8	14.1	15.3	18.0	2.0	3.2	5.3	7.6	10.3	12.2	15.0	17.3	17.3
200	N/A	2.3	4.0	6.3	9.3	12.0	14.5	15.7	18.5	2.0	3.3	5.5	7.8	10.6	12.5	15.4	17.7	17.8
225	N/A	2.3	4.2	6.6	9.9	12.7	15.3	16.5	19.6	2.1	3.5	5.8	8.3	11.3	13.3	16.3	18.8	18.9
250	N/A	2.4	4.4	7.1	10.4	13.4	15.9	17.3	20.5	N/A	3.7	6.1	8.7	11.9	14.1	17.2	19.9	20.0
275	N/A	2.6	4.6	7.3	10.8	13.9	16.8	18.2	21.5	N/A	3.9	6.4	9.2	12.5	14.8	18.1	20.9	21.0
300	N/A	2.7	4.9	7.7	11.3	14.6	17.3	19.0	22.6	N/A	4.1	6.7	9.6	13.0	15.4	18.9	21.8	22.0