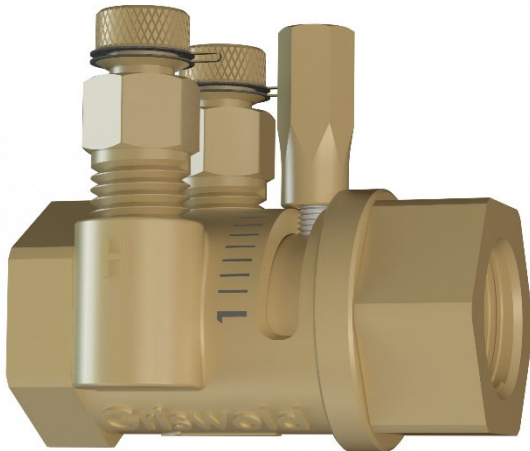


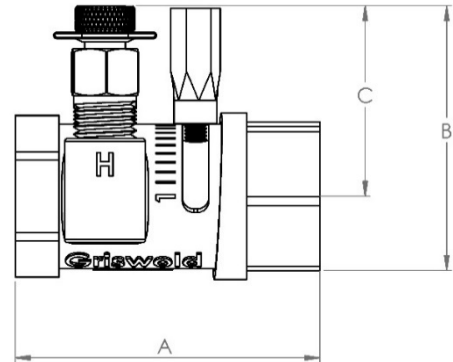
SPECIFICATIONS



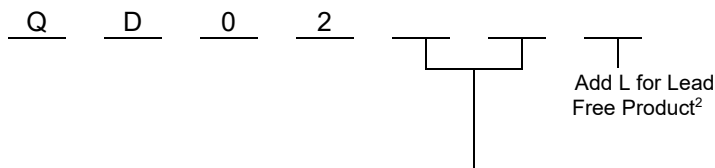
**PSI/Temperature Rating:** 600 WOG (400 PSI / 250°F)  
**Flow Elements<sup>1</sup>:** Venturi: Brass  
 Disc: Ceramic  
**Body Material:** Forged Brass ASTM B283-06 (Optional No Lead<sup>2</sup> Brass)  
**Seal:** EPDM O-ring  
**End Connections:** FNPT or SWT (Optional Union End Inlet for FNPT valve)  
**Body Tappings:** P/T Test Valves  
**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

DIMENSIONS & WEIGHTS (NOMINAL)

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



MODEL NUMBER SELECTION



FIXED END OR UNION END <sup>4</sup> (No Union Tailpiece=X)			UNION END ONLY <sup>4</sup>
Female Threaded	Female Sweat	QuickPress <sup>5</sup>	Male Threaded
1/2"=E, 3/4"=F <sup>6</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> No lead brass contains less than 0.25% lead content by weight on wetted surfaces. Product is not certified.
- <sup>3</sup> Add 1.3" to length and 0.3# to weight for union option.
- <sup>4</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>5</sup> QuickPress option are Press adapters compatible with popular press tools and are rated for maximum 200 PSI. QuickPress is not available for union option OR Lead Free Option.
- <sup>6</sup> If union option is selected, tailpiece is not available for this size. Male tailpiece used with coupling.

**FLOW RATES (+/-3%<sup>7</sup>) & SIGNAL**

OUTLET SIZE	MODEL NO.	FLOW GPM <sup>(8)</sup> AT 4 FT/SEC	Cv <sup>(9)</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			

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

**NOTES**

<sup>7</sup> Accuracy is for venturi portion of valve only. Pressure readability is dependent on accuracy of gauge and system pressure stability.

<sup>8</sup> The generally accepted upper limit as recommended by ASHRAE to prevent pipe noise is 4 ft/sec.

<sup>9</sup> Cv's are used to calculate the permanent pressure drop.  $PSID = (Flow/Cv)^2$ . Use the Flowrate vs Signal Table for flow measurement.