

SPECIFICATIONS

PSI/Temperature Rating: 600 WOG (400 PSI / 250°F)
Flow Elements¹: Venturi: Brass
 Disc: Ceramic
Body Material: Forged Brass ASTM B283-06
Seal: EPDM O-ring
End Connections: Brass – FNPT (Optional Union End Inlet)
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

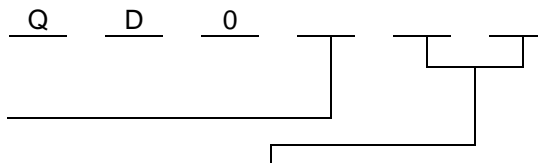
FLOW RATES (+/-3%)

OUTLET SIZE	MODEL NO.	FLOW GPM ⁽²⁾ AT 4 FT/SEC	Cv ⁽³⁾	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 – 12.4	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 ⁴	2.3	1.7	2.0	0.6 ⁴

MODEL NUMBER SELECTION



Select Packing Option (1= Bulk Pack
 2= Unit Pack Box (coming fall 2016))

FIXED END OR UNION END ⁵ (No Union Tailpiece=X)			UNION END ONLY ⁵
Female Threaded	Female Sweat ⁸	ProPress ⁶	Male Threaded
1/2"=E, 3/4"=F ⁷	3/8"=K ⁸ , 1/2"=L ⁸ , 3/4"=M ⁸	1/2"=2, 3/4"=3	1/2"=H, 3/4"=I

NOTES

- ¹ Patent Pending for Disc and Venturi
- ² The generally accepted upper limit as recommended by ASHRAE to prevent pipe noise is 4 ft/sec.
- ³ Cv's are used to calculate the permanent pressure drop. PSID=(Flow/Cv)². Use the Flowrate vs Signal Table for flow measurement.
- ⁴ Add 1.3" to length and 0.3# to weight for union option.
- ⁵ Select the Fixed End First and the Union End Second. If no union end is required select an "X" for the 2nd digit.
- ⁶ ProPress option are ProPress adapters. Propress is not available for unit pack box option OR union option.
- ⁷ Tailpiece is not available for this size. Male tailpiece used with coupling.
- ⁸ Fixed end not available for this size. Union tailpiece only.

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	0.5	0.7	1.0	1.4	2.0	2.2	4.0	4.1	0.4	0.3	0.9	1.1	1.5	1.8	2.3	2.4	2.3
10	0.4	0.8	1.1	1.6	2.1	2.8	3.1	5.0	5.2	0.5	0.6	1.3	1.6	2.2	2.6	3.3	3.6	3.5
15	0.5	1.0	1.4	2.1	2.6	3.5	3.9	5.7	6.1	0.6	0.7	1.5	2.0	2.8	3.3	4.1	4.5	4.4
20	0.6	1.1	1.6	2.4	3.1	4.0	4.5	6.3	6.8	0.7	0.9	1.8	2.3	3.2	3.8	4.7	5.3	5.2
25	0.7	1.2	1.8	2.8	3.5	4.5	5.0	6.9	7.5	0.7	1.0	2.0	2.6	3.6	4.3	5.3	6.0	5.9
30	0.7	1.4	2.0	3.0	3.9	4.9	5.5	7.4	8.0	0.8	1.1	2.1	2.9	4.0	4.7	5.8	6.6	6.5
35	0.8	1.5	2.2	3.3	4.3	5.3	6.0	7.8	8.6	0.9	1.2	2.3	3.2	4.3	5.1	6.3	7.1	7.1
40	0.8	1.6	2.4	3.6	4.6	5.7	6.4	8.3	9.1	0.9	1.3	2.5	3.4	4.6	5.5	6.8	7.7	7.6
45	0.9	1.7	2.5	3.8	4.9	6.1	6.8	8.7	9.5	1.0	1.4	2.6	3.6	4.9	5.8	7.2	8.2	8.1
50	0.9	1.8	2.7	4.0	5.2	6.4	7.2	9.0	10.0	1.0	1.5	2.8	3.8	5.2	6.2	7.6	8.6	8.6
55	1.0	1.9	2.8	4.3	5.5	6.7	7.5	9.4	10.4	1.1	1.6	2.9	4.0	5.5	6.5	8.0	9.1	9.0
60	1.0	1.9	2.9	4.5	5.7	7.0	7.9	9.7	10.8	1.1	1.7	3.0	4.2	5.7	6.8	8.3	9.5	9.5
65	1.0	2.0	3.1	4.7	6.0	7.3	8.2	10.1	11.2	1.2	1.8	3.1	4.4	6.0	7.1	8.7	9.9	9.9
70	1.1	2.1	3.2	4.8	6.2	7.6	8.5	10.4	11.6	1.2	1.9	3.2	4.5	6.2	7.3	9.0	10.3	10.3
75	1.1	2.2	3.3	5.0	6.4	7.8	8.8	10.7	11.9	1.3	1.9	3.4	4.7	6.4	7.6	9.3	10.7	10.7
80	1.1	2.2	3.4	5.2	6.7	8.1	9.1	11.0	12.3	1.3	2.0	3.5	4.9	6.6	7.9	9.7	11.0	11.0
85	1.2	2.3	3.5	5.4	6.9	8.3	9.4	11.3	12.6	1.3	2.1	3.6	5.0	6.8	8.1	10.0	11.4	11.4
90	1.2	2.4	3.6	5.5	7.1	8.6	9.7	11.6	12.9	1.4	2.1	3.7	5.2	7.1	8.3	10.3	11.7	11.7
95	1.2	2.5	3.7	5.7	7.3	8.8	10.0	11.8	13.2	1.4	2.2	3.8	5.3	7.3	8.6	10.5	12.1	12.1
100	1.3	2.5	3.8	5.9	7.5	9.0	10.2	12.1	13.5	1.4	2.3	3.9	5.5	7.4	8.8	10.8	12.4	12.4
110	1.3	2.6	4.0	6.2	7.9	9.5	10.7	12.6	14.1	1.5	2.4	4.1	5.7	7.8	9.2	11.4	13.0	13.0
120	1.4	2.8	4.2	6.4	8.3	9.9	11.2	13.1	14.7	1.6	2.5	4.2	6.0	8.2	9.7	11.9	13.6	13.7
130	1.4	2.9	4.4	6.7	8.6	10.3	11.7	13.5	15.2	1.6	2.6	4.4	6.3	8.5	10.1	12.4	14.2	14.2
140	1.5	3.0	4.6	7.0	9.0	10.7	12.1	14.0	15.8	1.7	2.7	4.6	6.5	8.8	10.5	12.8	14.7	14.8
150	1.5	3.1	4.7	7.2	9.3	11.1	12.6	14.4	16.3	1.8	2.8	4.7	6.7	9.2	10.8	13.3	15.3	15.3
160	1.6	3.2	4.9	7.5	9.6	11.4	13.0	14.8	16.8	1.8	2.9	4.9	7.0	9.5	11.2	13.7	15.8	15.9
170	1.6	3.3	5.0	7.7	9.9	11.8	13.4	15.3	17.2	1.9	3.0	5.0	7.2	9.8	11.6	14.2	16.3	16.4
180	1.7	3.4	5.2	8.0	10.2	12.1	13.8	15.6	17.7	1.9	3.1	5.2	7.4	10.1	11.9	14.6	16.8	16.9
190	1.7	3.5	5.3	8.2	10.5	12.5	14.2	16.0	18.1	2.0	3.2	5.3	7.6	10.3	12.2	15.0	17.3	17.3
200	1.8	3.6	5.5	8.4	10.8	12.8	14.5	16.4	18.6	2.0	3.3	5.5	7.8	10.6	12.5	15.4	17.7	17.8
225	1.9	3.8	5.8	9.0	11.5	13.6	15.4	17.3	19.6	2.1	3.5	5.8	8.3	11.3	13.3	16.3	18.8	18.9
250	N/A	4.0	6.1	9.5	12.1	14.3	16.3	18.1	20.6	N/A	3.7	6.1	8.7	11.9	14.1	17.2	19.9	20.0
275	N/A	4.2	6.5	9.9	12.7	15.0	17.1	18.9	21.5	N/A	3.9	6.4	9.2	12.5	14.8	18.1	20.9	21.0
300	N/A	4.4	6.7	10.4	13.3	15.6	17.8	19.7	22.4	N/A	4.1	6.7	9.6	13.0	15.4	18.9	21.8	22.0