



Model # MB
Venturi Type Balancing Valve

File # FPFC-1
7/18/05

<i>Differential Pressure: Inches W.C</i>											
Flow GPM	Models							Flow GPM	Models		
	050L 075RL	050H 075RH	075L	075H	100	125	150		125	150	200
0.10	1							18.00	62	36	14
0.20	2							19.00	69	41	15
0.30	5							20.00	76	45	17
0.42	10							21.00	84	50	19
0.50	14	1	1					22.00	92	54	21
0.75	31	3	2					23.00	101	60	23
1.00	55	6	4					24.00	110	65	25
1.25	86	9	6					25.00	119	70	27
1.35	101	11	7					26.00	129	76	29
1.50	124	13	9	1	2			27.00	139	82	31
2.00	221	23	16	2	4			28.00	149	88	34
2.25		29	21	3	5			29.00	160	95	36
2.50		36	25	4	6			30.00	171	101	39
3.00		52	36	6	9			31.00	183	108	41
3.50		71	50	8	13			32.00	195	115	44
4.00		92	65	10	16			33.00	207	122	47
4.50		117	82	13	21			34.00	220	130	50
5.00		144	101	15	26			35.00		138	53
5.50		175	123	19	31			36.00		146	56
6.00		208	146	22	37			37.00		154	59
6.50			171	26	43	8		39.00		171	65
7.25			213	33	54	10		40.00		180	69
7.50				35	58	11		41.00		189	72
8.00				40	65	12		42.00		198	76
8.50				45	74	14		43.00		208	79
9.00				50	83	15		44.00		218	83
9.50				56	92	17	10	45.00			87
10.00				62	102	19	11	48.50			101
10.50				68	113	21	12	55.00			130
11.00				75	124	23	14	60.00			154
11.50				82	135	25	15	65.00			181
12.00				89	147	27	16	70.00			210
12.50				97	160	30	18				
13.00				105	173	32	19				
14.00				121	200	37	22				
15.00				139		43	25				
16.00				159		49	29				
17.00				179		55	33				
SIZE	1/2"L&3/4"RL	1/2"H-3/4"RH	3/4"L	3/4"H	1"	1-1/4"	1-1/2"		1-1/4"	1-1/2"	2"
FF	0.1346	0.4163	0.4967	1.2704	0.9889	2.2921	2.9816		2.2921	2.9816	4.8274
C_V	0.75	2.25	2.70	7.00	5.20	13.00	16.00		13.00	16.00	30.00

Flow Formulas

GPM = FF x (√DP)
 DP = (GPM/FF)²
 PSID = (GPM/C_V)²
 PPL= DP*0.12

Notes

- 1 Accuracy +/- 3% of actual rate as tested by independent flow laboratory
- 2 Repeatability +/- 0.25% of rate
- 3 Values in **BOLD** type represents traditional 10" to 100" sizing range
- 4 All valves will function above and below ranges shown
- 5 C_V is for complete valve pressure drop calculations only