

REGULATOR Cv DATA

Valve Size	E						E2	E5,E6		C34	D	D34 60%	D50	N6 50%	Series 2000
	Normal 50%	Normal 75%	Normal	Full 50%	Full 75%	Full		Normal	Full						
1/4	—	—	—	—	—	—	—	—	—	—	.25	—	—	—	—
3/8	—	—	.65	—	—	1.5	—	—	—	—	.32	—	—	—	—
1/2	—	—	1.5	1.4	2.1	2.8	—	—	—	—	.32	—	2.2	—	4-5.22
3/4	—	—	4.8	2.7	4.0	5.4	7.6	5.7	7.6	—	—	—	3.3	5.3	6.85
1	—	—	7.5	4.4	6.6	8.8	11.7	10.0	11.7	5.5	—	3.3	4.9	9.2	9.15
1 1/4	—	—	10.4	7.0	10.6	14.1	18.9	13.4	18.9	12.5	—	7.5	5.0	14.3	14.3
1 1/2	—	—	14.6	9.9	14.8	19.8	27.4	19.8	27.4	17.3	—	10.4	10.1	20.8	15.1
2	—	—	17.6	15.5	23.3	31	44	25	43	24	—	14.4	10.8	37.5	17.2
2 1/2	12	18	24	22	33	44	68	35	67	36	—	21.6	—	60	—
3	22	33	43	37	56	74	96	59	95	53	—	32	—	—	—
4	39	59	78	55	82	109	143	120	159	86	—	52	—	—	—
5	58	87	115	85	127	169	202	176	258	139	—	84	—	—	—
6	76	114	151	124	186	248	255	228	350	196	—	118	—	—	—
8	125	187	249	222	333	444	465	366	665	—	—	—	—	—	—
10	189	283	377	353	530	706	748	525	1018	—	—	—	—	—	—
12	316	474	631	557	835	1113	1118	952	1611	—	—	—	—	—	—

75% AND 50% REDUCED TRIM (Parabolic)

The Parabolic Discs given in the above table are designed to:

- a) Improve performance at minimum flows by improving stability over wide flow ranges.
- b) Provide easy field conversion to obtain a substantial increase or decrease in regulator Cv to meet system load requirements.
- c) Facilitate selection of smaller size safety relief valves.
- d) Size more precisely to the required Cv, thereby eliminating one of the most frequent causes of poor performance.