

The C_v for valves indicates the flow capacity of the valve. C_v by definition is the volume of water in gallons per minute at 60°F that will flow through a given element with a pressure drop of 1 psig.

Series Z1 • Flow Coefficients (C_v)

Valve Size	Bore Size (in.)/Pipe Schedule													
	.65		1.00		1.40		1.75		2.00		2.50		3.05	
	80	160	80	160	80	160	80	160	80	160	80	160	80	160
1/2	22	22	—	—	—	—	—	—	—	—	—	—	—	—
3/4	32	40	—	—	—	—	—	—	—	—	—	—	—	—
1	31	26	103	74	—	—	—	—	—	—	—	—	—	—
1 1/2	15	16	48	56	155	212	—	—	—	—	—	—	—	—
2	14	15	40	46	105	135	264	375	466	347	—	—	—	—
2 1/2	—	—	36	37	86	94	170	208	304	400	—	—	—	—
3	—	—	28	29	75	80	135	150	202	234	481	655	—	—
4	—	—	—	—	56	58	115	120	160	172	296	342	588	785

NOTE: For other pipe sizes not in the chart, contact factory.

Series Z2 • Flow Coefficients (C_v)

Valve Size (in.)	Flow Coefficients (C_v) Rating					
	Cl. 150	Cl. 300	Cl. 600	Cl. 900	Cl. 1500	Cl. 2500
1/2	26	26	26	26	26	20
3/4	62	62	62	52	52	33
1 x 1 1/2	8	8	8	9	9	10
1	114	114	114	84	84	61
1 1/2 x 1	40	40	40	45	45	70
1 1/2	270	270	270	223	223	145
2 x 1 1/2	105	105	105	120	120	270
2	500	500	500	432	432	270
3 x 2	159	159	159	168	177	286
3	1175	1175	1175	1070	978	640
4 x 3	427	427	427	454	528	640
4	2160	2160	2160	2013	1748	1070
6 x 4	787	787	787	830	916	1515
6	5076	5076	5076	4641	4018	2602
8 x 6	1724	1724	2161	2376	2815	—
8	9300	9300	8985	8120	7022	4641
10 x 8	4250	4250	4502	4992	6246	6622
10	14,865	14,865	14,095	12,966	11,228	7560
12 x 10	7348	7348	7776	9268	12,411	—
12	21,799	21,799	20,857	18,578	16,044	10,880
14 x 12	13,793	13,793	15,502	19,581	—	—
16 x 14	19,916	19,916	23,040	30,125	—	—
18 x 16	23,588	25,508	30,887	39,857	—	—
20 x 18	36,010	38,269	47,203	—	—	—
24 x 20	32,665	33,972	39,620	48,573	—	—

NOTE: I.D. of valve size is based on ASME B16.34 Annex A. Please contact factory for additional valve sizes.