



**Cv, Valve Flow Coefficient :**

The valve sizing coefficient Cv or sometimes also referred to as flow rate coefficient is unique to the valve size, angle of valve opening and the manufacturer's valve style. Its value is equal to the no of US gallons/min of water at room temperature, which will flow through the valve in one minute when the pressure differential across the valve is 1psi.

Size	Valve Opening Angle (In Deg.)								
	10°	20°	30°	40°	50°	60°	70°	80°	90°
50 / 2"	1	4	11	19	34	59	92	120	127
65 / 2½"	2	6	21	38	67	117	181	238	251
80 / 3"	2	7	30	58	102	177	275	360	381
100 / 4"	3	8	32	73	136	222	348	538	724
125 / 5"	4	13	82	142	223	357	646	955	1147
150 / 6"	4	19	94	203	340	539	800	1196	1454
200 / 8"	10	85	201	351	567	901	1552	2368	2763
250 / 10"	16	135	318	556	897	1425	2457	3771	4525
300 / 12"	23	196	463	838	1328	2136	3661	5609	6731
350 / 14"	28	249	630	1100	1791	2820	4949	7395	8782
400 / 16"	38	331	834	1458	2373	3736	6556	9801	11638
450 / 18"	48	423	1068	1864	3036	4780	8388	12080	14345
500 / 20"	60	527	1329	2322	3780	5953	10446	15677	18616
550 / 22"	86	763	1725	2925	4700	7530	12135	18357	22640
600 / 24"	216	857	1989	3537	5802	9200	15196	22655	27628
650 / 26"	241	951	2293	4075	6520	10413	16601	24750	30183
700 / 28"	246	1103	2611	4499	7197	11532	18815	28903	34683
750 / 30"	350	1377	3322	5900	9440	15075	24037	35836	43703
800 / 32"	458	1688	3863	6653	10619	17008	27159	40465	50548
850 / 34"	538	2000	4405	7405	11798	18943	30282	45094	57395
900 / 36"	617	2313	4947	8158	12977	20878	33405	49723	64241

Notes: (1)  $K_v = C_v / 1.16$  , Where  $K_v$  in  $m^3/hr$ .  
(2) Above Values May Vary Within  $\pm 5\%$

