

Valve Size	Cv at Various Valve Operating Angles - Disc Seat Ring Upstream							
	20°	30°	40°	50°	60°	70°	80°	90°
3	35	55	85	130	190	280	380	450
4	35	55	85	130	190	280	380	450
6	80	120	190	300	430	650	950	1,100
8	141	209	330	519	801	1,300	1,901	2,200
10	244	376	576	912	1,444	2,224	3,332	4,000
12	414	622	977	1,428	2,464	4,026	6,364	7,400
14	529	722	1,184	1,840	2,890	4,460	7,140	8,400
16	581	882	1,398	2,226	3,505	5,838	9,182	10,752
18	999	1,465	2,313	3,695	5,709	8,788	13,864	16,643
20	1,171	1,767	2,794	4,397	7,191	11,732	19,088	20,547
24	2,012	2,959	4,704	7,545	10,770	16,806	25,564	29,588
30	1,980	3,520	5,500	8,525	12,980	21,010	34,980	55,000
36	3,160	5,767	9,717	16,116	22,199	39,737	56,090	79,000
42	3,959	6,955	11,021	19,260	26,001	53,500	69,015	107,000
48	5,600	10,220	17,080	27,720	43,680	69,160	110,040	140,000

Valve Size	Cv at Various Valve Operating Angles - Disc Seat Ring Downstream							
	20°	30°	40°	50°	60°	70°	80°	90°
3	30	47	73	112	163	240	326	386
4	30	47	73	112	163	240	326	386
6	74	111	176	278	398	602	880	1,019
8	135	201	317	499	770	1,251	1,828	2,116
10	220	338	518	821	1,300	2,002	2,999	3,600
12	336	504	792	1,158	1,998	3,264	5,160	6,000
14	478	652	1,069	1,660	2,608	4,025	6,443	7,580
16	529	804	1,274	2,029	3,195	5,321	8,526	9,800
18	838	1,228	1,940	3,099	4,788	7,371	11,629	13,960
20	1,015	1,531	2,421	3,809	6,230	10,164	16,536	17,800
24	1,904	2,801	4,453	7,141	10,194	15,907	24,196	28,005
30	1,937	3,443	5,380	8,339	12,697	20,552	34,217	53,800
36	3,113	5,681	9,572	15,876	21,868	39,144	55,254	77,822
42	3,939	6,919	10,964	19,161	25,867	53,225	68,660	106,450
48	5,592	10,205	17,056	27,680	43,618	69,061	109,883	139,800

NOTE:

1. Cv data obtained in compliance with ISA-S75.02 (1998).
2. Cv data should be used in accordance with AWWA M49.

DESCRIPTION:

Flow Coefficients - AWWA Butterfly Valve
(Seat on Disc)

DATE:

01/05/2026

DRAWING:

TS-TD0002-A



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CLOW
VALVE CO.

