

LVF VALVES CV FACTORS

The CV factors (US Gallons per minute of water at 70°F flowing through the valve at a pressure drop of one p.s.i.) for standard design LVF valves are listed below.

These average values were obtained performing the test in our factory upon valves taken randomly.

For valves not listed below CV values can be easily found when required

VALVE TYPE	RATING	BORE	SIZE							
			1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
GATE	150 ÷ 800	FULL	2	4,8	12,3	23,2	43	57	98	200
GATE	150 ÷ 800	REDUCED			6	10	26	44	65	103
GATE	1500	FULL	2,1	5	12,5	23,7	44	59	100	*
GATE	1500	REDUCED			6,2	10,5	26,5	45	65,5	99
GATE	2500	FULL			5	12,1	23	42,5	56	97
GLOBE	150 ÷ 800	FULL	0,9	1,5	3,2	5,8	11,5	15,2	20,9	38,3
GLOBE	150 ÷ 800	REDUCED			1,5	3,7	6,4	10,4	17,8	21,5
GLOBE	1500	FULL			2,8	6	12		20	24
GLOBE	1500	REDUCED			1,7	2,9	5,8		15,5	19,8
GLOBE -Y PATTERN	800				5,5	11,8	22		48	69
GLOBE -Y PATTERN	1500				5,5	11,8	5,5		36	56
GLOBE -Y PATTERN	2500				5,5	6,5	11,8		24,5	45

Bores: * 40mm =>155 - * 48mm =>200

The CV Valve is affected by several factors (e.g. shape of piston / disc, presence of spring, profile of internal bore...)

- The data shown in the above table are therefore approximate. When the CV value is critical for the process or when ever the exact value is required, it may be requested directly to LVF.

- Our technical department will also be pleased to provide you with the CV values for any type of valves not covered by the above table.

LVF Reserves the right to make all necessary changes On its products, without notice.