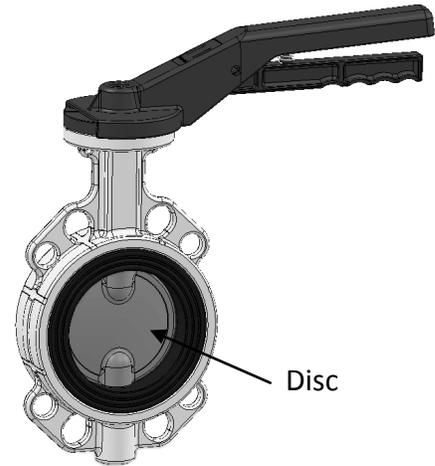


## Flow Characteristics for Valworx Ductile Iron Resilient Seat Butterfly Valves

These charts provide the Cv or Kv flow coefficient for Valworx ductile iron butterfly valves. The flow is dependent on the position of the disc. The position of the disc can be controlled by an electric or air actuator equipped with a positioner. Manual valves can be controlled with the standard 10 position locking handle. The valve is fully open when the disc is at 90 degrees and fully closed at 0 degrees.



### Ductile Iron Butterfly Valve Cv Flow Coefficient (English)

Valve Pipe Size	Valve Sizing Coefficient (Cv)								
	10°	20°	30°	40°	50°	60°	70°	80°	90°
2		1	5.5	16	33	54	82	113	124
2-1/2		2.7	13	31	57	89	141	199	247
3		7	32	62	106	163	248	350	470
4		16	66	125	203	305	470	691	929
6	8	59	150	260	422	665	1136	1785	2243

Notes: Cv is the GPM of water at 60° F that will pass through the valve with 1 PSI pressure drop. Disc position at 90° = Fully Open

### Ductile Iron Butterfly Valve Kv Flow Factor Coefficient (Metric)

Valve Pipe Size (inches)	Valve Sizing Coefficient (Kv) Disc Position (Degrees)								
	10°	20°	30°	40°	50°	60°	70°	80°	90°
2		0.9	4.7	13.7	29.1	47.1	71.1	97.7	107.1
2-1/2		2.3	11.1	26.6	49.7	77.1	121.7	170.5	212.5
3		6	28	54	91	140	213	301	404
4		14	57	108	175	262	404	594	799
6	7	51	129	224	363	572	977	1535	1929

Notes: Kv is the M<sup>3</sup>/hour of water at 20°C that will pass through the valve with 1 bar pressure drop. Disc position at 90° = Fully Open