

# CAST STEEL GATE, GLOBE, & CHECK VALVE FLOW COEFFICIENTS

Flow coefficients are the same for both carbon steel and stainless steel bodies. Refer to main catalog for valve size offerings.

## Gate Valve - 150# - Figure 451 & 551 Cv

Size	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Cv	298	466	694	1,234	2,873	5,109	8,622	12,416	17,651	23,055	30,603	37,782	57,349

## Gate Valve - 300# - Figure 452 & 552 Cv

Size	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Cv	289	452	672	1,194	2,776	4,935	7,982	11,929	15,646	21,207	26,841	34,490	51,874

## Globe Valve - 150# - Figure 461 & 561 Cv

Size	2"	2-1/2"	3"	4"	6"	8"	10"	12"
Cv	46	72	105	166	400	810	1,310	1,900

## Globe Valve - 300# - Figure 462 & 562 Cv

Size	2"	2-1/2"	3"	4"	6"	8"	10"	12"
Cv	46	84	104	165	436	692	1,120	1,882

## Swing Check Valve - 150# - Figure 471 & 571 Cv

Size	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Cv	218	332	499	903	2,032	3,679	5,857	8,435	11,708	15,293	19,754	24,912	36,680

## Swing Check Valve - 300# - Figure 472 & 572 Cv

Size	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Cv	211	330	482	858	1,963	3,549	5,546	8,128	11,063	14,715	18,624	23,431	33,741

Cv is the volume of water in U.S. gallons per minute that passes through the valve at a pressure drop of 1 PSI at 68°F. Cv is in imperial units; in metric units, the same coefficient (often called the Flow Factor) is Kv and corresponds to the flow rate of water in cubic meters (m<sup>3</sup>) per hour at a pressure drop of 100kPa (1 bar) at 20°C.