

Cv-Values for GS-Valves



1/2" - 10"

Cv - Values

Ordering code	-	A	1	B	6	2	7	C	3	4	8	5	9	
Size	Charact.	100 %	63 %	40 %	25 %	20%	16 %	12 %	10 %	6,3 %	2,5 %	2 %	1 %	0,4%
1/2"	(mod.) linear	4.6	3	2	1.6	-	0.82	0.57	0.51	0.3	0.16	0.09	0.05	0.021
	eq. perc.	2	-	1.3	-	0.4	-	-	-	0.12	-	-	-	-
3/4"	(mod.) lin.	7.4	-	-	-	-	1.16	-	-	-	-	0.15	-	-
	eq. perc.	3.5	-	1.7	-	-	-	-	-	-	-	-	-	-
1"	(mod.) linear	13	7.4	4.6	-	-	1.9	-	1.08	0.72	0.3	-	0.16	0.05
	eq. perc.	5.8	5.45	2.8	-	1.3	-	-	-	0.41	-	-	-	-
1	(mod.) linear	19	12	-	-	-	-	-	-	-	-	-	-	-
1/4"	eq. perc.	9.3	-	-	-	-	-	-	-	-	-	-	-	-
1	(mod.) lin.	30	19	13	8.1	-	-	-	-	-	-	-	-	-
1/2"	eq. perc.	13	9.9	-	3.2	-	-	-	-	-	-	-	-	-
	(mod.) linear	52	32	23	14	12	-	-	-	-	-	-	-	-
2"	eq. perc.	22	14	-	-	-	3.5	-	-	-	-	-	-	-
	(mod.) linear	60	41	-	17	-	-	-	-	-	-	-	-	-
1/2"	eq. perc.	35	-	-	9.3	-	-	-	-	-	-	-	-	-
3"	(mod.) linear	107	67	46	-	-	-	-	-	-	-	-	-	-
	eq.perc.	56	41	-	-	-	-	-	-	-	-	-	-	-
4"	(mod.) linear	179	110	72	-	-	-	-	-	-	-	-	-	-
	eq.perc.	89	56	-	-	-	-	-	-	-	-	-	-	-
5"	(mod.) linear	275	-	110	-	-	-	-	-	-	-	-	-	-
	eq.perc.	135	-	-	-	-	-	-	-	-	-	-	-	-
6"	(mod.) linear	392	246	-	-	-	-	-	-	-	-	-	-	-
	eq.perc.	171	104	-	-	-	-	-	-	-	-	-	-	-
8"	(mod.) linear	650	408	-	-	-	-	-	-	-	-	-	-	-
	eq.perc.	296	-	-	-	-	-	-	-	-	-	-	-	-
10"	(mod.) linear	1056	667	-	-	-	-	-	-	-	-	-	-	-
	eq.perc.	-	-	-	-	-	-	-	-	-	-	-	-	-

$$K_v = C_v \times 0.862$$

Definition of the Cv-Value:

The Cv-value corresponds to the volume flow of water (US gallons/min), passing the valve if a pressure difference of 1 psi is applied. Cv = 1 US gallon of flow per 1 psi of pressure drop.

Cv-Values for GS-Valves



1/2" - 10"

Ordering number system for function units (extract)

		Article number														
		8001/										M		S	...	
Nominal size:																
1/2" (DN 15)		015														
3/4" (DN 20)		020														
1" (DN 25)		025														
1 1/4" (DN 32)		032														
1 1/2" (DN 40)		040														
2" (DN 50)		050														
2 1/2" (DN 65)		065														
3" (DN 80)		080														
4" (DN 100)		100														
5" (DN 125)		125														
6" (DN 150)		150														
6" (DN 200)		200														
10" (DN 250)		250														
Item:																
function unit complete			F													
Design:																
GS1-series				0												
GS2-series				C												
GS3-series				G												
material of the coupling ring																
standard (stainless steel 1.4581)					1											
Hastelloy C					8											
mounting position																
version A						A										
version B						B										
Moving valve disc																
carbon material																
STN2/STN3																
fibre carbon FUY																
SFC																
Special version																
Fixed valve plate																
standard coating, stainless steel 1.4571(AISI 316Ti)																
STN2																
STN3																
Hastelloy																
hardmetal																
Special version																
Cvs-values																
100% (Stand.)																
red. to 40%																
red. to 16%																
red. to 6,3%																
red. to 2,5%																
red. to 1%																
red. to 20%																
red. to 12%																
red. to 2%																
red. to 0,4%																
red. to 63%																
red. to 25%																
red. to 10%																
special Cvs-value																
Flow characteristic																
linear																
equal%																

Text and pictures are not binding. We reserve the right to alter the equipment