

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	-	2.8	-	1.3	-	-	-	-	-	-	-	-
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	-								
2"	(mod.) linear	52	32	23	14	12								
	eq. perc.	22	14	-	-	-								
2	(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	9										
fibre carbon FUY	B										
SFC	S										
Special version	X										
Fixed valve plate											
standard coating, stainless steel 1.4571(AISI 316Ti)	-										
STN2	1										
STN3	3										
Hastelloy	8										
hardmetal	H										
Special version	X										
Cvs-values											
100% (Stand.)	-										
red. to 40%	1										
red. to 16%	2										
red. to 6,3%	3										
red. to 2,5%	4										
red. to 1%	5										
red. to 20%	6										
red. to 12%	7										
red. to 2%	8										
red. to 0,4%	9										
red. to 63%	A										
red. to 25%	B										
red. to 10%	C										
special Cvs-value	S										
Flow characteristic											
linear	-										
equal%	1										

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