

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	-	-	-	0.41	-	-	-	-
1 1/4"	(mod.) linear	19	12	-	-	-	-	-	-	-	-	-	-	-
	eq. perc.	9.3	5.45	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	(mod.) lin.	30	19	13	8.1	-	-	-	-	-	-	-	-	-
	eq. perc.	13	9.9	-	3.2	-	-	-	-	-	-	-	-	-
2"	(mod.) linear	52	32	23	14	12	-	-	-	-	-	-	-	-
	eq. perc.	22	14	-	-	-	3.5	-	-	-	-	-	-	-
2 1/2"	(mod.) linear	60	41	-	17	-	-	-	-	-	-	-	-	-
	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.	329	-	-	-	-	-	-	-	-	-	-	-	-
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.

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.