Kvs-Values GS-Valves

DN 15 up to DN 250

Kvs-Values

Ordering code		-	A	1	B	6	2	7	C	3	4	8	5	9
DN	Charact.	100 %	63 %	40 %	25 %	20%	16 %	12 %	10 %	6,3 %	2,5 %	2 %	1%	0,4%
15	(mod.) linear	4	2,6	1,7	1,4	-	0,71	0,49	0,44	0,26	0,14	0,08	0,04	0,018
	eq. perc.	1,7	-	1,1	-	0,35	-	-	-	0,1	-	-	-	-
20	(mod.) linear	6,4	-	-	-	-	1	-	-	-	-	0,13	-	-
	eq. perc.	3	-	1,5	-	-	-	-	-	-	-	-	-	-
25	(mod.) linear	11	6,4	4	-	-	1,6	-	0,93	0,62	0,26	-	0,14	0,04
	eq. perc.	5	-	2,4	-	1,1	-	-	-	0,35	-	-	-	-
32	(mod.) linear	16	10	-	-	-	-							
	eq. perc.	8	4,7	-	-	-	-							
40	(mod.) linear	26	16	11	7	-	-							
	eq. perc.	11	8,5	-	2,75	-	-							
50	(mod.) linear	45	28	20	12	10	-							
	eq. perc.	19	12	-	-	-	3							
65	(mod.) linear	52	35	-	15									
	eq. perc.	30	-	-	8									
80	(mod.) linear	92	58	40										
	eq.perc.	48	35	-										
100	(mod.) linear	154	95	62										
	eq.perc.	77	48	-										
125	(mod.) linear	237	-	95										
	eq.perc.	116	-	-										
150	(mod.) linear	338	212	-										
	eq.perc.	147	90	-										
200	(mod.) linear	560	352	-										
	eq.perc.	284	-	-										
250	(mod.) linear	910	575											
	eq.perc.	-												

Cv-Value:
See Page 2

Definition of the Kvs-Value:

The Kvs-value corresponds to the volume flow of water (m^3/h), passing the valve if a pressure difference of 1 bar is applied. Kvs is the Kv-value for a fully opened valve from the series production (acc. DIN IEC 534).

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Cvs-Values GS-Valves

DN 15 up to DN 250

Cvs-Values

Ordering code		-	A	1	B	6	2	7	C	3	4	8	5	9
DN	Charact.	100 %	63 %	40 %	25 %	20%	16 %	12 %	10 %	6,3 %	2,5 %	2 %	1%	0,4%
15	(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	-	-	-	-
20	(mod.) linear	7.4	-	-	-	-	1.16	-	-	-	-	0.15	-	-
	eq. perc.	3.5	-	1.7	-	-	-	-	-	-	-	-	-	-
25	(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	-	-	-	-
32	(mod.) linear	19	12	-	-	-	-							
	eq. perc.	9.3	5.45	-	-	-	-							
40	(mod.) linear	30	19	13	8.1	-	-							
	eq. perc.	13	9.9	-	3.2	-	-							
50	(mod.) linear	52	32	23	14	12	-							
	eq. perc.	22	14	-	-	-	3.5							
65	(mod.) linear	60	41	-	17									
	eq. perc.	35	-	-	9.3									
80	(mod.) linear	107	67	46										
	eq.perc.	56	41	-										
100	(mod.) linear	179	110	72										
	eq.perc.	89	56	-										
125	(mod.) linear	275	-	110										
	eq.perc.	135	-	-										
150	(mod.) linear	392	246	-										
	eq.perc.	171	104	-										
200	(mod.) linear	650	408	-										
	eq.perc.	329	-	-										
250	(mod.) linear	1056	667											
	eq.perc.	-												

Kv=Cv / 1.16

Ordering number system for function units (extract)

Article number													
8001/						-			M			S	...

Nominal size:	
DN 15	015
DN 20	020
DN 25	025
DN 32	032
DN 40	040
DN 50	050
DN 65	065
DN 80	080
DN 100	100
DN 125	125
DN 150	150
DN 200	200
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 Kvs-value	S

Flow characteristic	
linear	-
equal%	1