

Dimensions, kvs- and zeta-values / parts

DN	L	I	H	H1	H2	kvs-values				zeta-values			
						straight way	straight way forged steel	Y-pattern	Angle pattern	straight way	straight way forged steel	Y-pattern	Angle pattern
15	130	90	70	40	75	3,9	3,3	4,8	4,7	5,2	7,2	3,4	3,4
20	150	95	70	35	75	6,8	5,5	8,5	7,5	5,3	7,3	3,4	4,4
25	160	100	80	45	90	11,0	9,2	13,0	14,0	5,2	7,1	3,3	3,0
32	180	105	80	45	90	18,0	15,0	22,0	22,0	5,0	7,2	3,2	3,3
40	200	115	85	55	110	27,0	23,3	34,0	40,0	5,3	7,3	3,4	2,4
50	230	125	95	60	110	43,0	36,0	53,0	50,0	5,2	7,4	3,3	3,8
65	290	145	110	65	135	71,0	-	88,0	81,0	5,4	-	3,5	4,2
80	310	155	130	95	160	111,0	-	138,0	119,0	5,1	-	3,3	4,4
100	350	175	155	105	200	173,0	-	216,0	181,0	5,1	-	3,2	4,7
125	400	200	165	120	245	265,0	-	331,0	285,0	5,3	-	3,4	4,6
150	480	225	215	150	300	377,0	-	469,0	397,0	5,4	-	3,5	4,9
200	600	275	285	195	390	667,0	-	832,0	710,0	5,5	-	3,5	4,9
250	730	325	325	220	470	1053,0	-	1315,0	-	5,4	-	3,4	-
300	850	375	365	240	550	1504,0	-	1876,0	-	5,4	-	3,4	-
350	980	425	420	300	-	2042,0	-	2553,0	-	5,5	-	3,5	-
400	1100	475	430	310	-	2725,0	-	3406,0	-	5,3	-	3,3	-
500	1350	525	530	360	-	4167,0	-	5207	-	5,5	-	3,5	-

Zeta-value ... with tolerance out of the kv-value-calculation according to VDI/VDE 2173

Dimensions of flanges see page 9 or flange slide

Check valve with flanges:

Face to face length FTF series 1 according to DIN EN 558-1 (DIN 3202-1 series F1)

Y pattern check valve with flanges:

Face to face length FTF series 1 according to DIN EN 558-1 (DIN 3202-1 series F1)

Angle pattern check valve with flanges:

Face to face length CTF series 8 according to DIN EN 558-1 (DIN 3202-1 series F32)

Check valve butt weld ends:

Face to face length according to DIN 3202-2 series S7

Figure	10.003;	22./23.003;	34./35.003	12.303;	22./23.303;	34./35.303;	45.003;	52./54/	
	12.003	22./23.004	34./35.004	12.304	22./23.304	34./35.304	45.030	55.003;	
	12.004		35.063;35.030					55.039	
Part	Description	Material, Material No.							
1	Body	GG-25, 0.6025	GGG-40.3,	1.06 19+N	GG-25, 0.6025	GGG-40.3,	1.0619+N	C22.8, 1.0460	14.408
			0.7043	1.06 19.01		0.7043	1.0619.01		
			(GS-C25N)			(GS-C25 N)			
1.2	Seat	DN ≤ 50: X 20 Cr 13, 1.4021.05; DN.50: 1.4551			GZ-CuSn 5 Zn Pb*, 2.1096.03 code number 02			X 5 CrNiB 19-9,	
					G-CuSn 10*, 2.1050 code number 03			1.4551	
2	Cover	GG-25, 0.6025	GGG-40.3,	DN ≤ 80;	GG-25, 0.6025	GGG-40.3,	DN ≤ 80;	C22.8, 1.0460	X 6 CrNiMoTi
			0.7043	C22.8, 1.0460		0.7043	C22.8, 1.0460		17-12-2, 1.4571
				DN > 80: P265 GH			DN > 80: P265 GH		
			(kbl.HI) DIN 17155			(kbl.HI) DIN 17155			
3	Plug	DN ≤ 200: X 20 Cr 13, 1.4021.05			GZ-CuSn 5 Zn Pb*, 2.1096.03 code number 02			X 20 Cr13,	X 6 CrNiMoTi
		DN > 200: P265 GH (kbl.HI) DIN 17155/			G-CuSn 10*, 2.1050 code number 03			1.4021.05	17-12-2, 1.4571
		X 5 CrNiB 19-9, 1.4551							
4	Resetting spring	X 12 CrNi 17-7, 1.4310			X 12 CrNi 17-7, 1.4310			X 12 CrNi 17-7, 1.4310	
5	Hexagon screw;	5.6	24 CrMo 5, 1.7258			5.6	24 CrMo 5, 1.7258		24 CrMo 5,
	Studs								1.7258
6	Hexagon nuts	-	Ck 35, 1.1181			-	Ck 35, 1.1181		A 4
7	Seal	CrNi laminated both sides with pure graphite							
Set pressure 0,1 bar									
*Max. operating temperature 225 °C									