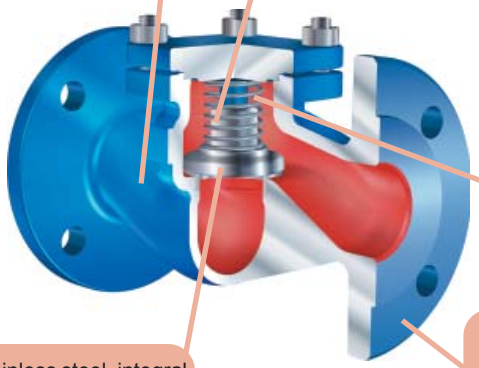
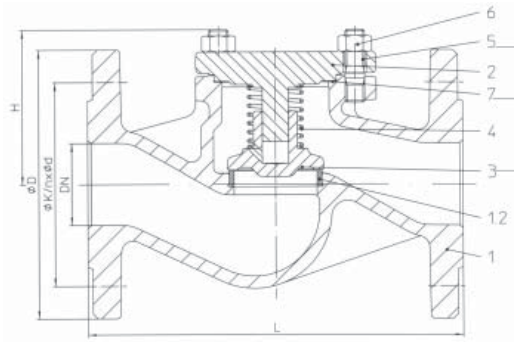
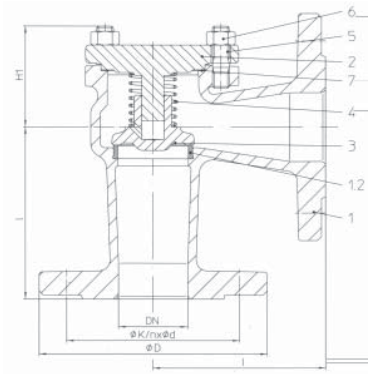
Check valves are self acted by the media pressure and are devised to prevent the flow return to the pressurized side of the system. Spring loaded lift check valves are provided with a stem held disc that opens by the medium pressure pushing underneath and closes when the system pressure is off and there is a back flow. The disc closes against an integral body seat therefore is highly recommended to install strainers upstream the valve to avoid damage on the seating surfaces. Valves are design on diverse style to suit all industrial requirements, straight through pattern, angle pattern and Y-style.



Self Acting Non return valves * Closure element by lifting spring loaded disc*Leakage Rate nº 1 – Leakage rate 0 when PTFE seal insert on disc * uni-directional design (observe arrow direction when installing)* Standard Design Pressure Range: PN 16 / 25 / 40* Standard Size range DN 15-500* Design Temperature Range: observe constrains of resilient disc materials 400ºC for metal / metal design* face to face length EN 558-1, * To be installed onto counter flanges EN 1092-1 PN 16, PN 25, /40 and BW DIN 3239 B* marking Standard EN 19 * Test standards 12266-1 * Approval to PED 97/23/CE*





Main Parts and Materials

Figure		10.003; 12.003; 12.004	22./23.003; 22./23.004	34./35.003; 34./35.004; 35.063; 35030	12.303; 12.304	22./23.303; 22./23.304	34./35.303; 34./35.304	45.003; 45.030	52./54./ 55.003; 55.039
Part	Description	Material							
1	Body	GG-25.0.6025	GGG-40.3, 0,7043	1.0619+N, 1.0619.01 (GS-C25N)	GG-25, 0.6025	GGG-40.3, 0.7043	1.0619+N, 1.0619.01 (GS-C25N)	C22.8, 1.0460	1.4408
1.2	Seat	DN ≤ 50: X 20 Cr 13, 1.4021.05; DN > 50: 1.4551			GZ-CuSn 5 Zn Pb*, 2.1096 code number 02			X5CrNiNb 19-9. 1.4551	---
		G-CuSn 10*, 2.1050 code number 03							
2	Cover	GG-25, 0.6025	GGG-40.3, 0,7043	DN ≤80 c22.8, 1.0460 DN>80: P265 GH DIN EN 10028-2	GG-25, 0,6025	GGG-40.3; 0,7043	DN ≤80 c22.8,: 1.0460 DN>80 P265 GH DIN EN 10028-2	C22.8, 1.0460	X6 CrNiMoTi 17-12-2, 1.4571
		DN ≤ 200: X20 Cr 13, 1.4021.05							X6 CrNiMoTi
3	Disc	DN> 200: P265 GH DIN EN 10028-2/X 5 CrNiNb 19-9, 1.4551			GZ-CuSn 5 Zn Pb*, 2.1096 code number 02 G-CuSn 10*, 2.1050 code number 03			X20 Cr13 1.4021.05	17-12-2, 1.4571
4	Spring	X 12 CrNi 17-7, 1.4310			X 12 CrNi 17-7, 1.4310			X 12 CrNi 17-7, 1.4310	
5	Bolts	5.6	24 CrMo 5, 1.7258		5.6	24 CrMo 5, 1.7258		24 CrMo 5, 1.7258	A 4-70
6	Nuts	Ck 35, 1.1181			Ck 35, 1.1181			Ck 35, 1.1181	A4
7	Gasket	CrNi Laminated Graphite Set Pressure 0,1 bar							

Main Valve Dimensions (mm)

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100	1350
I	90	95	100	105	115	125	145	155	175	200	225	275	325	375	425	475	525
H	70	70	80	80	85	95	110	130	155	165	215	285	325	365	420	430	530
H1	40	35	45	45	55	60	65	95	105	120	150	195	220	240	300	310	390
H2	75	75	90	90	110	110	135	160	200	245	300	390	470	550	--	--	--
VALUES Kvs																	
ST PATTERN	5,7	7,8	11,8	17,9	27,5	48,0	77,6	109,0	168,0	251,0	389,0	664,0	1017,0	1446,0	2042,0	2725,0	4167,0
FORGED	3,3	5,5	9,2	15,0	29,3	36,0	--	--	--	--	--	--	--	--	--	--	--
Y-PATTERN	4,8	8,5	13,0	22,0	34,0	53,0	88,0	138,0	216,0	331,0	469,0	832,0	1315,0	1876,0	2553,0	3406,0	5207,0
ANGLE PATTERN	4,7	7,5	14,0	22,0	40,0	50,0	81,0	119,0	181,0	285,0	397,0	710,0	--	--	--	--	--

Options

Bronze trim for marine application * PTFE seal insert on disc * Loose plug *

Main Duties

*Water * Saturated Steam *Superheated Water * Oils and Process

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