

Check valve - straight through with flanges (Grey cast iron, SG iron, Cast steel)

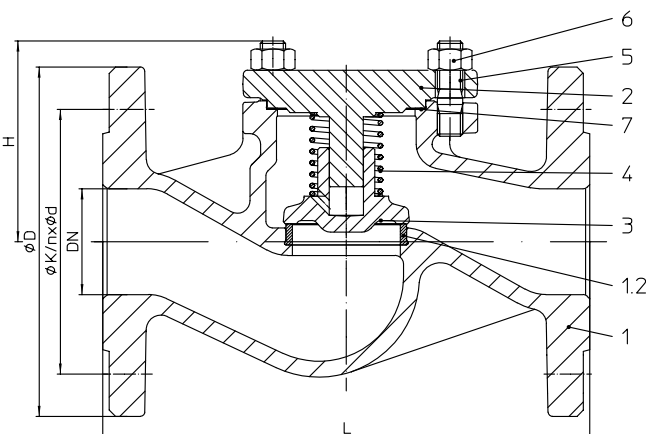
Figure	Nominal pressure	Material	Nominal diameter
10.003	PN6	EN-JL1040	DN15-200
12.003 / 12.303	PN16	EN-JL1040	DN15-300
22.003 / 22.003	PN16	EN-JS1049	DN15-350
23.003 / 23.303	PN25	EN-JS1049	DN15-150
34.003 / 34.303	PN25	1.0619+N	DN15-500
35.003 / 35.303	PN40	1.0619+N	DN15-500

Set pressure 0,1 bar
The operating point of the valve cannot be chosen in the unstable region!

Fig. 303: Trim made of RG/MS:
 CuZn35Ni3Mn2AlPb, CW710R code number 02
 CuSn10-Cu, CC480K code number 03
 (max. operating temperature: 180°C, code number acc. to DIN 86251)

Test: • EN ISO 15848-1 / TA - Luft TÜV-Test-No. TA 09 2016 C04

Considered standards: • EN 14341 (1.0619+N)
 • EN 12334 (EN-JL1040, EN-JS1049)



Parts								
Pos.	Sp.p.	Description	Fig. 10./12.003	Fig. 10./12.303	Fig. 22./23.003	Fig. 22./23.303	Fig. 34./35.003	Fig. 34./35.303
1		Body	EN-JL1040, EN-GJL-250		EN-JS1049, EN-GJS-400-18U-LT		GP240GH+N, 1.0619+N	
1.2		Seat ring	DN ≤50: X20Cr13+QT, 1.4021+QT DN >50: G19 9 Nb Si, 1.4551	CuSn10-Cu, CC480K code number 03	DN ≤50: X20Cr13+QT, 1.4021+QT DN >50: G19 9 Nb Si, 1.4551	CuSn10-Cu, CC480K code number 03	DN ≤50: X20Cr13+QT, 1.4021+QT DN >50: G19 9 Nb Si, 1.4551	CuSn10-Cu, CC480K code number 03
2		Cover	DN ≤20: EN-JS1049, EN-GJS-400-18U-LT DN >20 EN-JL1040, EN-GJL-250		EN-JS1049, EN-GJS-400-18U-LT		GP240GH+N, 1.0619+N	
3	x	Plug	DN ≤200: X20Cr13+QT, 1.4021+QT DN >200: P265 GH, 1.0425 / G19 9 Nb Si, 1.4551	CuZn35Ni3Mn 2AlPb, CW710R code nr. 02 CuSn10-Cu, CC480K code nr. 03	DN ≤200: X20Cr13+QT, 1.4021+QT DN >200: P265 GH, 1.0425 / G19 9 Nb Si, 1.4551	CuZn35Ni3Mn 2AlPb, CW710R code nr. 02 CuSn10-Cu, CC480K code nr. 03	DN ≤200: X20Cr13+QT, 1.4021+QT DN >200: P265 GH, 1.0425 / G19 9 Nb Si, 1.4551	CuZn35Ni3Mn 2AlPb, CW710R code nr. 02 CuSn10-Cu, CC480K code nr. 03
4		Spring	X10CrNi18-8, 1.4310		X10CrNi18-8, 1.4310			
5		Hexagon bolt	5.6		--			
5		Stud	--		25CrMo4, 1.7218			
6		Hexagon nut	--		C35E, 1.1181			
7	x	Gasket	Pure graphite (CrNi laminated with graphite)					
L Spare parts								

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
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Face-to-face dimension FTF series 1 according to DIN EN 558																	Standard-flange dimensions refer to page 11	
L	(mm)	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100	1350*

Dimensions																		
H	(mm)	70	70	80	80	85	95	110	130	155	165	215	285	325	365	420	430	530
Kvs-value	(m³/h)	5,7	7,8	11,8	17,9	27,5	48,0	77,6	109	168	251	389	664	1017	1446	2042	2725	4167
Zeta-value	--	2,5	4,2	4,5	5,2	5,4	4,3	4,7	5,5	5,7	6,2	5,3	5,8	6,0	6,2	5,7	5,5	5,7

Zeta-value ... range of tolerance for Kvs-values acc. to VDI/VDE 2173

Weights																		
Figure	(kg)	2,4	2,9	3,5	4,8	6,4	8,2	12,2	18,6	27	42	67	112	--	--	--	--	--
10.003 / 303	(kg)	2,4	3	3,8	5,7	7,4	10,3	15,2	20,4	31	49	69	132	198	278	--	--	--
12.003 / 303	(kg)	3,5	4	5	6	8	11	16	21	31	49	69	132	198	278	383	--	--
22.003 / 303	(kg)	3,5	4	5	6	8	11	16	21	32	51	70	--	--	--	--	--	--
23.003 / 303	(kg)	3,8	4,9	5,9	7,1	10,4	12,3	22,7	28,5	40	64	90	160	222	337	461	709	989
35.003 / 303	(kg)	3,8	4,9	5,9	7,1	10,4	12,3	22,7	28,5	40	64	90	170	240	374	508	786	1044

Information / restriction of technical rules need to be observed!

Operating and installation instructions can be downloaded at www.ari-armaturen.com.

ARI-Valves of EN-JL1040 are not allowed to be operated in systems acc. to TRD 110.

A production permission acc. to TRB 801 No. 45 is available (acc. to TRB 801 No. 45 EN-JL1040 is not allowed.)

The engineer, designing a system or a plant, is responsible for the selection of the correct valve.

Resistance and fitness must be verified (contact manufacturer for information, refer to Product overview and Resistance list).

Check valve - straight through with flanges (Forged steel)

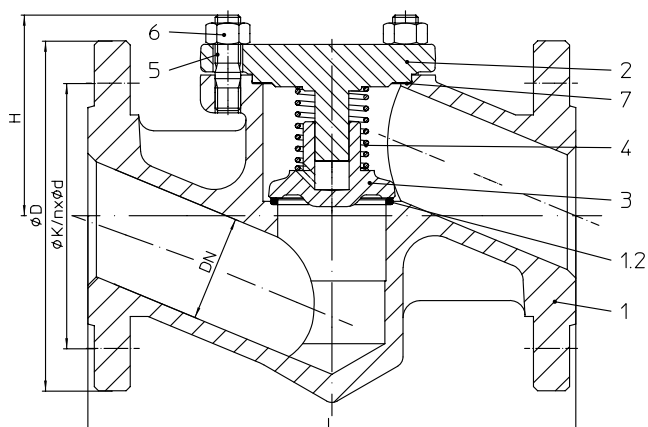


Figure	Nominal pressure	Material	Nominal diameter
45.003	PN40	1.0460	DN15-50

Set pressure 0,1 bar
The operating point of the valve cannot be chosen in the unstable region!

Test: • EN ISO 15848-1 / TA - Luft TÜV-Test-No. TA 09 2016 C04

Considered standards: • EN 14341 (1.0460)

Parts			
Pos.	Sp.p.	Description	Fig. 45.003
1		Body	P250 GH, 1.0460
1.2		Seat ring	G19 9 Nb Si, 1.4551
2		Cover	P250 GH, 1.0460
3	x	Plug	X20Cr13+QT, 1.4021+QT
4		Spring	X10CrNi18-8, 1.4310
5		Stud	25CrMo4, 1.7218
6		Hexagon nut	C35E, 1.1181
7	x	Gasket	Pure graphite (CrNi laminated with graphite)
L Spare parts			

DN	15	20	25	32	40	50
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Face-to-face dimension FTF series 1 according to DIN EN 558							Standard-flange dimensions refer to page 11
L	(mm)	130	150	160	180	200	230

Dimensions							
H	(mm)	87	89	97	103	95	95
Kvs-value	(m³/h)	3,3	5,5	9,2	15	29,3	36
Zeta-value	--	7,4	8,4	7,4	7,4	4,8	7,7
Zeta-value ... range of tolerance for Kvs-values acc. to VDI/VDE 2173							

Weights							
45.003	(kg)	3,2	4,5	4,6	7,3	9,5	12

Information / restriction of technical rules need to be observed!

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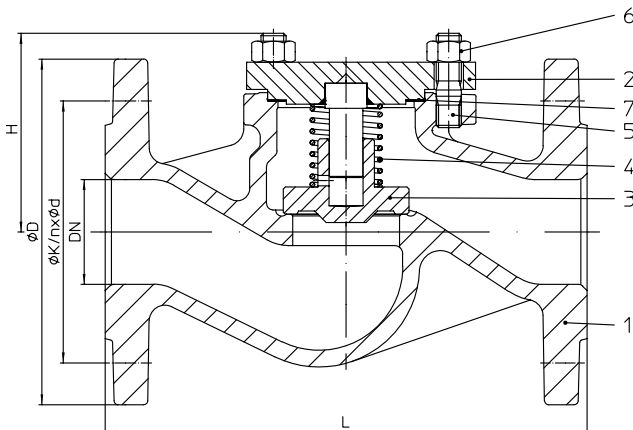
Check valve - straight through with flanges (Stainless steel)

Figure	Nominal pressure	Material	Nominal diameter
52.003	PN16	1.4408	DN65-200
54.003	PN25	1.4408	DN15-200
55.003	PN40	1.4408	DN15-200

Set pressure 0,1 bar
The operating point of the valve cannot be chosen in the unstable region!

Test: • EN ISO 15848-1 / TA - Luft TÜV-Test-No. TA 09 2016 C04

Considered standards: • EN 14341 (1.4408)



Parts			
Pos.	Sp.p.	Description	Fig. 52./54./55.003
1		Body	GX5CrNiMo19-11-2, 1.4408
2		Cover	X6CrNiMoTi17-12-2, 1.4571
3	x	Plug	X6CrNiMoTi17-12-2, 1.4571
4		Spring	X10CrNi18-8, 1.4310
5		Stud	A4-70
6		Hexagon nut	A4
7	x	Gasket	Pure graphite (CrNi laminated with graphite)
L Spare parts			

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
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Face-to-face dimension FTF series 1 according to DIN EN 558														Standard-flange dimensions refer to page 11			
L	(mm)	130	150	160	180	200	230	290	310	350	400	480	600	on request			

Dimensions															
H	(mm)	70	70	80	80	85	95	110	130	155	165	215	285	on request	
Kvs-value	(m³/h)	5,7	7,8	11,8	17,9	27,5	48,0	77,6	109	168	251	389	664	on request	
Zeta-value	--	2,5	4,2	4,5	5,2	5,4	4,3	4,7	5,5	5,7	6,2	5,3	5,8		
Zeta-value ... range of tolerance for Kvs-values acc. to VDI/VDE 2173															

Weights															
52.003	(kg)	--	--	--	--	--	--	22,5	28,5	38	61	87	154	on request	
54.003	(kg)	3,8	4,9	5,9	7,1	10	12	22,5	28,5	40	64	90	160	on request	
55.003	(kg)	3,8	4,9	5,9	7,1	10	12	22,5	28,5	40	64	90	170	on request	

Information / restriction of technical rules need to be observed!

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