

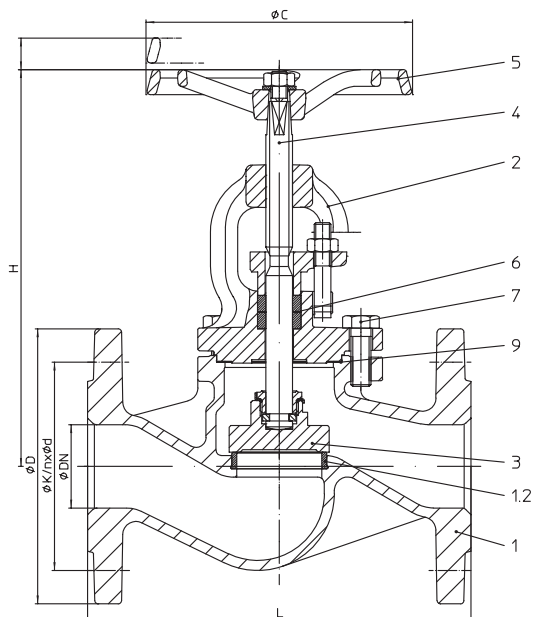
Stop valve - straight through with flanges and gland seal (Grey cast iron, SG iron)


Figure	Nominal pressure	Material	Nominal diameter
12.006	PN16	EN-JL1040	DN15-300
12.306	PN16	EN-JL1040	DN15-300
22.006	PN16	EN-JS1049	DN15-350
22.306	PN16	EN-JS1049	DN15-350
23.006	PN25	EN-JS1049	DN15-150
23.306	PN25	EN-JS1049	DN15-150

Fig. 306: 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: • DN15-300 optional:
 EN ISO 15848-1 / TA - Luft
 TÜV-Test-No. 973-10675245-10 A (refer to page 16)

At high differential pressures a balancing plug is necessary!
(not possible at Fig. 306, observe max. differential pressure!)
 (refer to page 13)

Parts						
Pos.	Sp.p.	Description	Fig. 12.006	Fig. 12.306	Fig. 22./23.006	Fig. 22./23.306
1		Body	EN-JL1040, EN-GJL-250		EN-JS1049, EN-GJS-400-18U-LT	
1.2		Seat ring	X20Cr13+QT, 1.4021+QT	CuSn10-Cu, CC480K code number 03	X20Cr13+QT, 1.4021+QT	CuSn10-Cu, CC480K code number 03
2		Bonnet	EN-JL1040, EN-GJL-250		EN-JS1049, EN-GJS-400-18U-LT	
3	x	Plug	DN ≤200: X20Cr13+QT, 1.4021+QT DN >200: P265 GH, 1.0425	CuZn35Ni3Mn2AlPb, CW710R code number 02 CuSn10-Cu, CC480K code number 03	DN ≤200: X20Cr13+QT, 1.4021+QT DN >200: P265 GH, 1.0425	CuZn35Ni3Mn2AlPb, CW710R code number 02 CuSn10-Cu, CC480K code number 03
4	x	Stem	X20Cr13+QT, 1.4021+QT (burnished)	CuSn8, CW453K code number 03 (burnished)	X20Cr13+QT, 1.4021+QT (burnished)	CuSn8, CW453K code number 03 (burnished)
5		Handwheel	EN-JL1040, EN-GJL-250 (FE 13 Epoxid-coating)			
6	x	Packing ring	Pure graphite			
7		Hexagon bolt	5.6		--	
7		Stud	--		25CrMo4, 1.7218	
8		Hexagon nut	--		C35E, 1.1181	
9	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
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Face-to-face dimension FTF series 1 according to DIN EN 558															Standard-flange dimensions refer to page 15		
L	(mm)	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	

Dimensions																
H	(mm)	185	185	205	205	230	230	270	305	355	395	450	570	685	770	860
ØC	(mm)	120	120	140	140	160	160	180	200	225	250	400	520	520	520	640
Travel	(mm)	9	9	13	13	21	19	28	32	36	52	56	73	80	110	116
Kvs-value	(m³/h)	4,2	7,4	12	19	31	47	77	120	188	288	410	725	1145	1635	2220
Zeta-value	--	4,6	4,7	4,3	4,6	4,3	4,5	4,8	4,5	4,5	4,7	4,8	4,9	4,8	4,8	4,9

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

Weights																
12.006 / 306	(kg)	3,5	4	5	6,8	9,3	12,2	18	24,5	35	55	77	145	243	341	--
22.006 / 306	(kg)	3,9	4,3	5,4	7	9,5	12,9	18,4	24,5	36	56	78	122	247	336	451
23.006 / 306	(kg)	3,9	4,3	5,4	7	9,5	12,9	18,4	24,5	36	56	78	--	--	--	--

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).

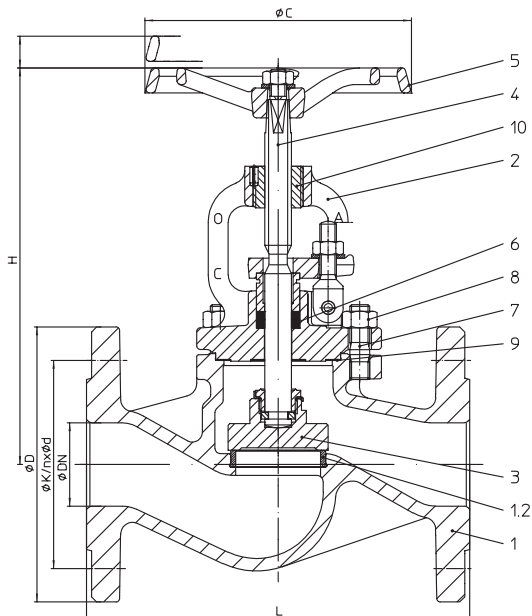
Stop valve - straight through with flanges and gland seal (Cast steel)


Figure	Nominal pressure	Material	Nominal diameter
34.006	PN25	1.0619+N	DN15-500
34.306	PN25	1.0619+N	DN15-500
35.006	PN40	1.0619+N	DN15-500
35.306	PN40	1.0619+N	DN15-500

Fig. 306: 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: • DN15-300 optional:
 EN ISO 15848-1 / TA - Luft
 TÜV-Test-No. 973-10675245-10 A (refer to page 16)

**At high differential pressures a balancing plug is necessary!
 (not possible at Fig. 306, observe max. differential pressure!)
 (refer to page 13)**

Parts				
Pos.	Sp.p.	Description	Fig. 34./35.006	Fig. 34./35.306
1		Body	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
2		Bonnet	GP240GH+N, 1.0619+N	
3	x	Plug	DN ≤200: X20Cr13+QT, 1.4021+QT DN >200: P265 GH, 1.0425	CuZn35Ni3Mn2AlPb, CW710R code number 02 CuSn10-Cu, CC480K code number 03 ²⁾
4	x	Stem	X20Cr13+QT, 1.4021+QT (burnished)	CuSn8, CW453K code number 03 (burnished)
5		Handwheel	EN-JL1040, EN-GJL-250 (FE 13 Epoxid-coating)	
6	x	Packing ring	Pure graphite	
7		Stud	25CrMo4, 1.7218	
8		Hexagon nut	C35E, 1.1181	
9	x	Gasket	Pure graphite (CrNi laminated with graphite)	
10		Insert nuts	11SMn30+C, 1.0715+C	
	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

L	(mm)	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100	1350 *
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* acc. to manufacturers standard

Dimensions																			
H	(mm)	185	185	205	205	230	230	270	305	355	395	450	570	685	770	860	865	995	
ØC	(mm)	120	120	140	140	160	160	180	200	225	250	400	520	520	520	640	640	640	
Travel	(mm)	9	9	13	13	21	19	28	32	36	52	56	73	80	110	116	126	181	
Kvs-value	(m³/h)	4,2	7,4	12	19	31	47	77	120	188	288	410	725	1145	1635	2220	3180	4530	
Zeta-value	--	4,6	4,7	4,3	4,6	4,3	4,5	4,8	4,5	4,5	4,7	4,8	4,9	4,8	4,8	4,9	3,4	4,9	

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

Weights																			
34.006 / 306	(kg)	4,4	5,4	6,3	7	10,5	13,8	21	27,5	40	61	84	160	265	377	510	780	1095	
35.006 / 306	(kg)	4,8	5,4	7,1	8	11,5	13,5	23,5	28	39,5	61	84	170	283	414	557	857	1150	

Information / restriction of technical rules need to be observed!

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