

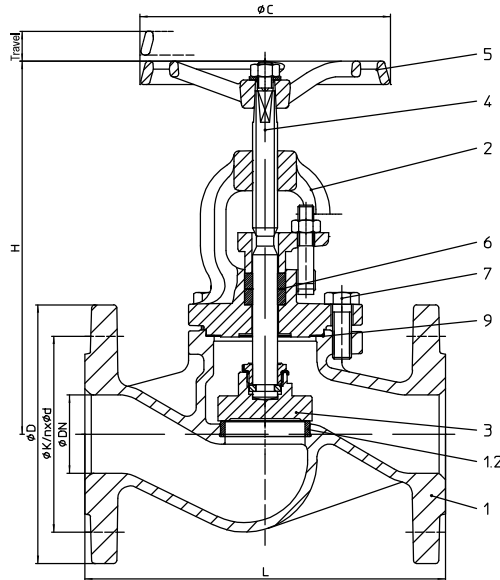
Stop valve - straight through with flanges and gland seal (Grey cast iron, SG iron)


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. TA 08 2016 C04 (refer to page 16)
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Considered standards:	• EN 13789 (EN-JL1040, EN-JS1049)
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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).

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500		
Standard-flange dimensions																			
Flanges acc. to DIN EN 1092-1/-2 (Flange holes / -thickness tolerances acc. to DIN 2533/2544/2545)																			
PN6	ØD	(mm)	80	90	100	120	130	140	160	190	210	240	265	320	--	--	--	--	
	ØK	(mm)	55	65	75	90	100	110	130	150	170	200	225	280	--	--	--	--	
	n x Ød	(mm)	4x11	4x11	4x11	4x14	4x14	4x14	4x14	4x18	4x18	8x18	8x18	8x18	--	--	--	--	
PN16	ØD	(mm)	95	105	115	140	150	165	185	200	220	250	285	340	405	460	520	580	715
	ØK	(mm)	65	75	85	100	110	125	145	160	180	210	240	295	355	410	470	525	650
	n x Ød	(mm)	4x14	4x14	4x14	4x18	4x18	4x18	4x18 ¹⁾	8x18	8x18	8x18	8x22	12x22	12x26	12x26	16x26	16x30	20x33
PN25	ØD	(mm)	95	105	115	140	150	165	185	200	235	270	300	360	425	485	555	620	730
	ØK	(mm)	65	75	85	100	110	125	145	160	190	220	250	310	370	430	490	550	660
	n x Ød	(mm)	4x14	4x14	4x14	4x18	4x18	4x18	8x18	8x18	8x22	8x26	8x26	12x26	12x30	16x30	16x33	16x36	20x36
PN40	ØD	(mm)	95	105	115	140	150	165	185	200	235	270	300	375	450	515	580	660	755
	ØK	(mm)	65	75	85	100	110	125	145	160	190	220	250	320	385	480	510	585	670
	n x Ød	(mm)	4x14	4x14	4x14	4x18	4x18	4x18	8x18	8x18	8x22	8x26	8x26	12x30	12x33	16x33	16x36	16x39	20x42

¹⁾ also with 8 bore holes acc. to DIN EN 1092-1/-2 possible.

Pressure-temperature-ratings			Intermediate values for max. permissible operational pressures can be determined by linear interpolation of the given temperature / pressure chart.								
acc. to DIN EN 1092-2			-60°C to <-10°C ¹⁾	-10°C to 120°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
EN-JL1040	16	(bar)	--	16	14,4	12,8	11,2	9,6	--	--	--
EN-JS1049	16	(bar)	on request	16	15,5	14,7	13,9	12,8	11,2	--	--
EN-JS1049	25	(bar)	on request	25	24,3	23	21,8	20	17,5	--	--
acc. to manufacturers standard			-60°C to <-10°C ¹⁾	-10°C to 120°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
1.0619+N	25	(bar)	18,7	25	23,9	22	20	17,2	16	14,8	8,2
1.0619+N	40	(bar)	30	40	38,1	35	32	28	25,7	23,8	13,1
1.0460	25	(bar)	18,7	25	23,9	22	20	17,2	16	14,8	10
1.0460	40	(bar)	30	40	38,1	35	32	28	25,7	23,8	16
acc. to DIN EN 1092-1			-60°C to <-10°C ¹⁾	-10°C to 100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
1.4408	16	(bar)	16	16	14,5	13,4	12,7	11,8	11,4	10,9	--
1.4408	25	(bar)	25	25	22,7	21	19,8	18,5	17,8	17,1	--
1.4408	40	(bar)	40	40	36,3	33,7	31,8	29,7	28,5	27,4	--

¹⁾ Studs and nuts made of A4-70 (at temperatures below -10°C)

Please indicate when ordering:

- Figure-No.
- Nominal pressure
- Nominal diameter
- Special design / accessories

Example:

Figure 35.006; Nominal pressure PN40; Nominal diameter DN100; with regulating plug, position indicator with locking device.