

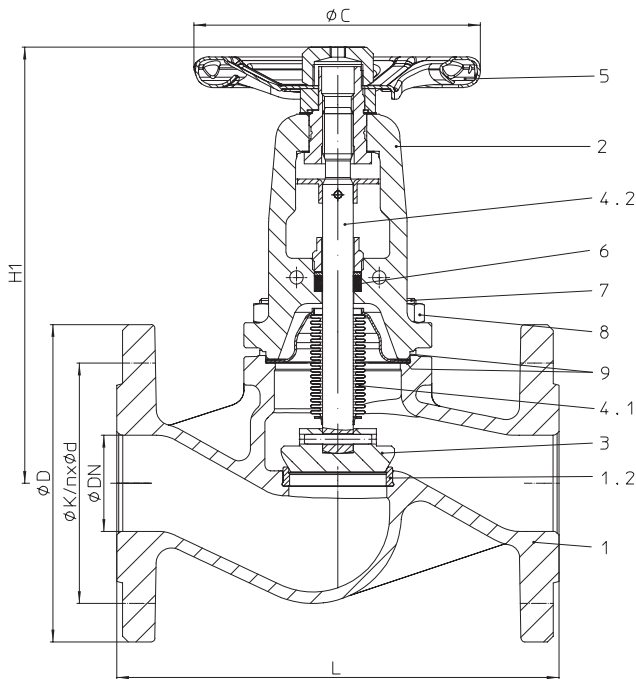
Stop valve - straight through with flanges and bellows seal (Grey cast iron, SG iron, Cast steel)


Figure-No.	Nominal pressure	Material	Nominal diameter
12.046	PN16	EN-JL1040	DN15-300
22.046	PN16	EN-JS1049	DN15-350
	Test: • DIN DVGW-Reg. DG-4313AO 0772		
23.046	PN25	EN-JS1049	DN15-150
34.046	PN25	1.0619+N	DN200-400
	Test: • DIN DVGW-Reg. DG-4314AO 0777		
35.046	PN40	1.0619+N	DN15-250
	Test: • DIN DVGW-Reg. DG-4314AO 0778		
Test: • TA - Luft TÜV-Test-No. 973-10183778			
Plug with marginal seat standard			
At high differential pressures a balancing plug is necessary! (refer to page 12)			

Selection of possible applications

Industry, Powerstations, Flue gas purification plant, processing technology, gas supply, vapour facilities, recycling facilities, vacuum facilities, hot water, heating technology, district heating, thermal oil applications, general plant manufacturing, etc.

(other applications on request)

Selection of possible flow media

Steam, gases, hot water, thermal fluids, hot oil, process water, vacuum facilities, ammonia etc.

(other flow media on request)

Parts

Pos.	Description	Fig. 12.046	Fig. 22. / 23.046	Fig. 34. / 35. 046
1	Body	EN-JL1040, EN-GJL-250	EN-JS1049, EN-GJS-400-18U-LT	GP240GH+N, 1.0619+N
1.2	Seat ring	X20Cr13+QT, 1.4021+QT		≤DN50: X20Cr13+QT, 1.4021+QT / ≥DN65: G19 9 NbSi, 1.4551
2	Bonnet	EN-JS1049, EN-GJS-400-18U-LT		GP240GH+N, 1.0619+N
3	Plug *	≤ DN200: X20Cr13+QT, 1.4021+QT (hardened) / ≥ DN250: P265GH, 1.0425 / G19 9 Nb Si, 1.4551		
4.1	Bellows seal	X6CrNiMoTi17 12 2, 1.4571		
4.2	Stem	X20Cr13+QT, 1.4021+QT		
5	Handwheel *	≤DN125: St (cataphoretic coating) / ≥DN150: EN-JL1040, EN-GJL-250 (epoxy-coating)		
6	Packing ring	Pure graphite		
7	Hexagon bolt	5.6	--	--
7	Stud	--	25CrMo4, 1.7218	--
8	Hexagon nut	--	C35E, 1.1181	--
9	Gasket *	Pure graphite (CrNi laminated with graphite)		

* Spare part

Information / restriction of technical rules need to be observed!

Operating instructions can be ordered by phone +49 (0)5207 / 994-0 or fax +49 (0)5207 / 994-158 or -159.

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

A production allowance acc. to TRB 801 No. 45 exists (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.

Dimensions

	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L	(mm)	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
H1	(mm)	205	205	210	210	225	230	245	265	365	395	430	550	720	775	975	1015
ØC (PN16)	(mm)	125	125	125	125	150	150	175	175	225	300	400	520	520	520	640	640
ØC (PN25)	(mm)	125	125	125	125	150	150	175	175	300	300	400	520	520	520	640	640
ØC (PN40)	(mm)	125	125	125	125	150	150	175	225	300	300	400	520	520	--	--	--
Travel	(mm)	6	6	8	8	13	13	16	20	25	32	40	50	70	80	90	100
Kvs-value	(m³/h)	5,3	7,2	12	16	28,5	43	75	105	170	270	405	675	1090	1460	2010	2640
Zeta-value	--	2,9	4,9	4,3	6,5	5	5,4	5,1	5,9	5,5	5,3	4,9	5,6	5,2	6,1	5,9	5,9

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

Standard-flange dimensions refer to page 14

Face-to-face dimension FTF Grundreihe 1 acc. to DIN EN 558

Weights

Figure-No.	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
12. / 22. / 23.046	(kg)	3,7	4,5	5,6	6,9	8,9	11	15,3	21,1	32,4	51,6	74	147	247	404	524	--
34.046	(kg)	--	--	--	--	--	--	--	--	--	--	--	168	268	395	629	865
35.046	(kg)	4,1	5,1	6,2	7,3	10,6	12,6	19,1	26,1	35	60,3	88	225	310	--	--	--