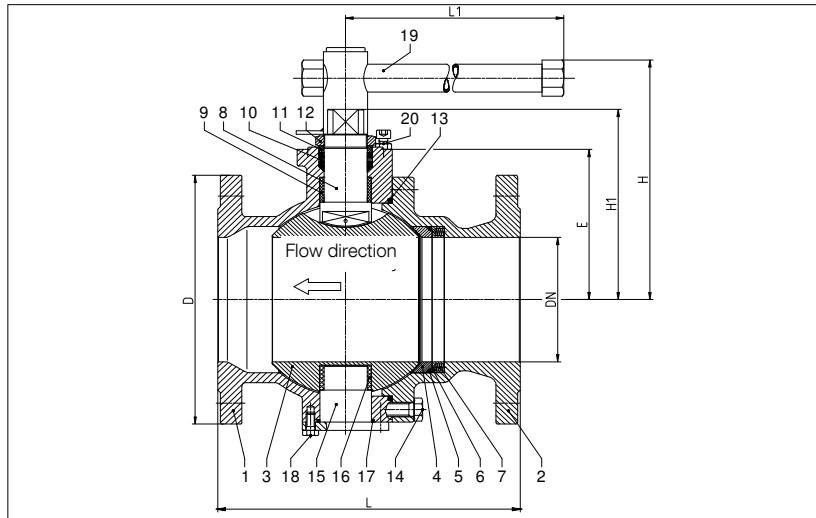


BALL VALVES INTEC

K231, DN80 - DN300, PN16/40

trunnion mounted ball, metal seated,
single side spring loaded seat ring, free outlet



Flanged ball valve

full bore

face to face acc. to EN 558, GR.1

face to face acc. to EN 558, GR.27

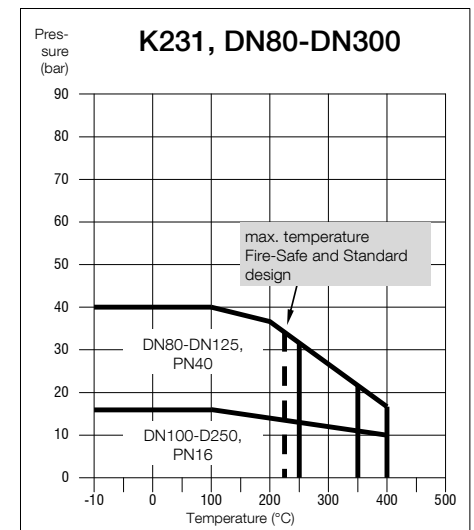
flanges acc. to EN 1092

Specification:

Two-piece ball valve with flanges acc. to EN 1092, face to face dimensions acc. to EN 558, GR.1/GR.27, full bore, free outlet, blow-out-proof stem, body material stainless steel (1.4408) or carbon steel (1.0619), antistatic device, free of non ferrous metals, trunnion mounted ball, seat 1.4571/1.4404 hard facing metal coated, stem packing cone ring construction acc. to temperature use, dynamic loaded adjustable, top flange DIN EN ISO 5211, approved by PED, certified acc. to GERMAN clean air act VDI 2440, Fire-Safe acc. to DIN EN ISO 10497, with lever.

Marking: INTEC K231

No.	Part	Material				Material	
High temperature design							
1	body	1.0619				1.4408	
2	cap	1.0619				1.4408	
3	ball	1.4408 hard facing metal coated					
4	seat	1.4571/1.4404 hard facing metal coated					
5	bearing ring seal	Graphite					
6	thrust collar	1.4571/1.4404					
7	spiral spring	Inconel X750					
8	stem	250°C 1.4462	350°C 1.4313	400°C 1.4980	250°C 1.4462	350°C 1.4980	400°C 1.4980
9	stem bearing	E-carbon					
10	stem seal	1.4571/1.4404/Graphite					
11	bearing	E-carbon					
12	hex. nut self-locking	A2/1.4301					
13	body seal	Graphite					
14	hex. screw	A4-70					
15	bearing neck (< DN125 with screwed end)	1.4571/1.4404					
16	bearing	E-carbon					
17	trunnion seal	Graphite					
18	hex. screw (as from DN150)	A4-70					
19	lever	1.4408/1.4308/steel zincplated					
20	stopper	A2					
Fire-Safe design							
9	below stem seal	KFGN/Graphite					
	bearing	1.4401/KF					
10	upper stem seal	KFAM/Graphite					
	Fire-Safe seal	Graphite					
11	ring	1.4571/1.4404					
	thrust washer	PEEK					
13	combined body seal	KF-Graphite					
16	bearing	1.4401/KF					
Standard design							
5	bearing ring seal	KF					
7	spiral spring	1.4401					
9	below stem seal	KFGN/Graphite					
	bearing	1.4401/KF					
10	upper stem seal	KFAM/Graphite					
11	bearing	PEEK					
13	body seal	KF					
16	bearing	1.4401/KF					
17	trunnion seal	KF					



Ordering example:

INTEC K231, DN125, PN40, GR.27, 1.4408, high temperature, 1.4980 (stem)

* Necessary torque measured with treated water at Δ P acc. to pressure class and room temperature.

** gearbox recommended

*** free stem, gearbox/automation necessary

Other flange connections and materials on request.

Dimensions

DN mm	PN	dimensions (mm)	L1	L GR. 1	L GR. 27	D	E	H1	top flange ISO	torque Nm *	ca. weight kg GR. 1	ca. weight kg GR. 27
80	40	194.0	500	310	180	200	112.5	155.0	F10	325**	26	25
100	16	221.5	500	350	190	220	137.0	179.5	F12	240	34	33
100	40	221.5	500	350	190	235	137.0	179.5	F12	490**	35	34
125	16	246.5	700	-	325	250	164.0	206.5	F12	330	-	58
125	40	246.5	700	-	325	270	164.0	206.5	F12	700**	-	60
150	16	263.0	700	-	350	285	181.0	229.5	F12	465**	-	84
200	16	304.0	1000	-	400	340	225.0	284.5	F14	910**	-	156
250	16	340.5	1200	-	450	405	261.5	321.0	F14	1470**	-	260
300	16	- ***	- ***	-	500	460	311.0	400.0	F16	o.r. ***	-	320

KLINGER Portugal, Ltd.

Tel +351 229 470 910 | www.klinger.pt | geral@klinger.pt

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