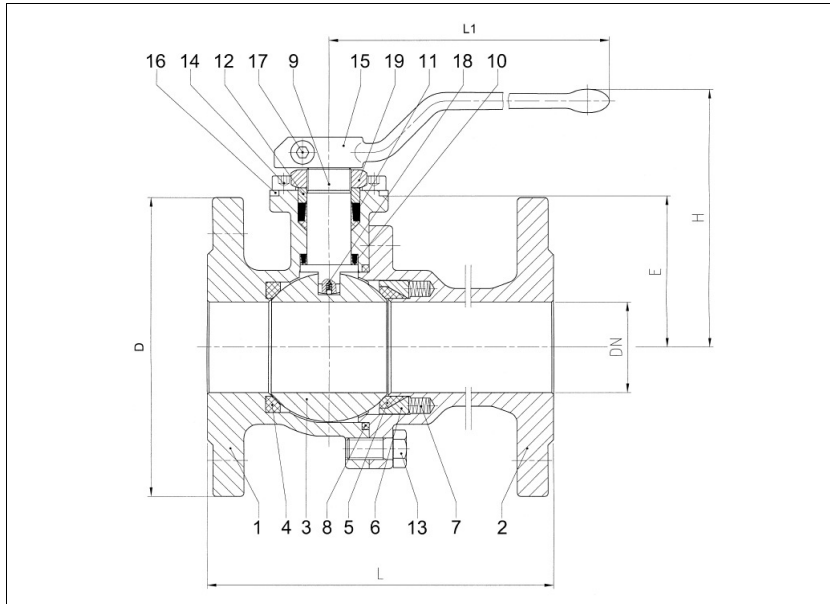


# BALL VALVES INTEC

K220, DN15 - DN100, PN16/40

floating ball, soft seated,  
single side spring loaded seat ring



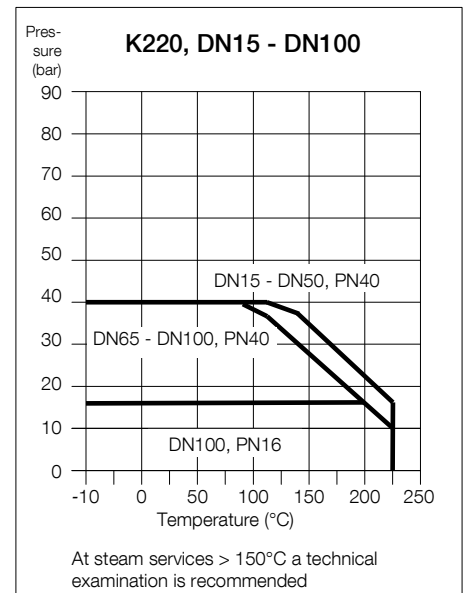
**Flanged ball valve**  
full bore  
face to face acc. to EN 558, GR. 1  
face to face acc. to EN 558, GR. 27  
flanges acc. to EN 1092

**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, blow-out-proof stem, body material stainless steel (1.4408) or carbon steel (1.0619), antistatic device, free of non ferrous metals, seat full chambered, single side spring loaded seat ring, stem packing Graphite/KFGN/KFAM cone ring system 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 K220

No.	Part	Material	Material
Standard design			
1	body	1.0619	1.4408
2	cap	1.0619	1.4408
3	ball	1.4408	
4	seat	KFGN/KFM	
5	spring loaded seat ring	KFGN/KFM	
6	seat bearing ring	1.4571/1.4404	
7	spiral spring	1.4401	
8	body seal	KF	
9	stem	1.4462	
10	below seal	KFGN/Graphite	
11	upper seal	KFAM/Graphite	
12	bearing	PEEK	
13	hex. screw	A4-70	
14	allen screw	A2-70	
15	lever	1.4408/1.4308/steel zincplated	
16	stopper	1.4301	
17	allen screw	A2-70	
18	antistatic element	1.4401/1.4571/1.4404	
19	hex. nut self-locking	A2/1.4301	
Fire-Safe design			
7	spiral spring	Inconel X750	
8	combined body seal	KF-Graphite	
9	Fire-Safe seal	Graphite	
	ring	1.4571/1.4404	
	thrust washer	PEEK	



**Dimensions**

DN mm	PN	dimensions (mm)						top flange ISO	torque Nm**	weight kg	
		H	L1	L GR.1	L GR.27	D	E			GR.1	GR.27
15	40	95	160	130	115	95	39.5	F05	9	3.0	2.9
20	40	105	160	150	120	105	46.0	F05	10	4.0	3.7
25	40	114	180	160	125	115	49.5	F05	14	4.9	4.6
32	40	130	180	180	130	140	59.0	F05	17	6.7	6.4
40	40	135	300	200	140	150	76.0	F07	37	9.3	8.8
50	40	143	300	230	150	165	83.5	F07	45	13.0	12.1
65	40	155	300	290	170	185	94.0	F07	65	17.0	16.0
80	40	197	500	310	180	200	102.5	F10	109	26.0	23.0
100	16	215	500	350	190	220	120.5	F10	148	33.0	30.0
100	40	215	500	350	190	235	120.5	F10	148	34.0	32.0

\*\* Necessary torque measured with treated water at Δ P = 16 bar and room temperature.

**Ordering example:**  
INTEC K220, DN50, PN40, GR.27, 1.4408, Fire-Safe

Subject to technical modification. 08/2018