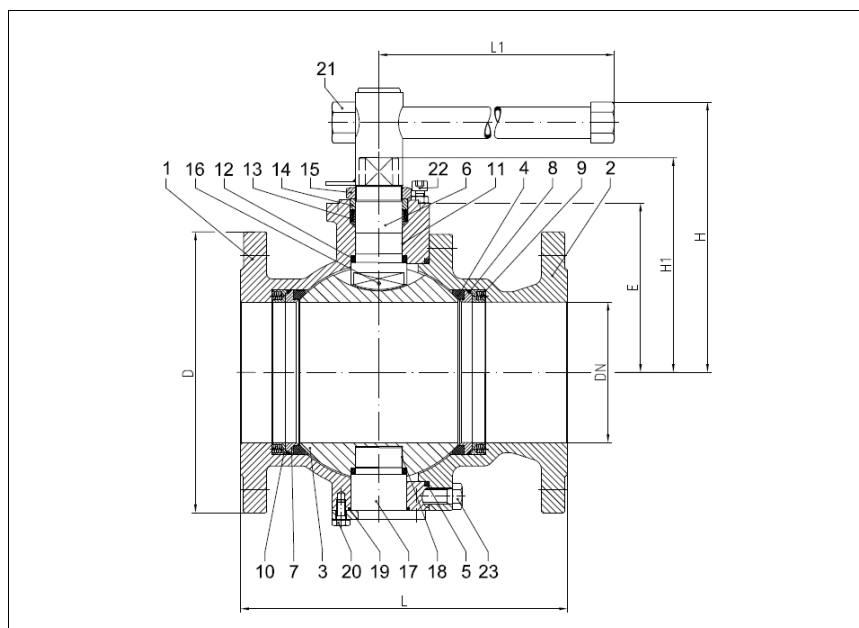


# BALL VALVES INTEC

K210, 3" - 10", Class 150/300

trunnion mounted ball, soft seated,  
both sides spring loaded seat rings



**Flanged ball valve**

**full bore**

**face to face acc. to ANSI B 16.10**

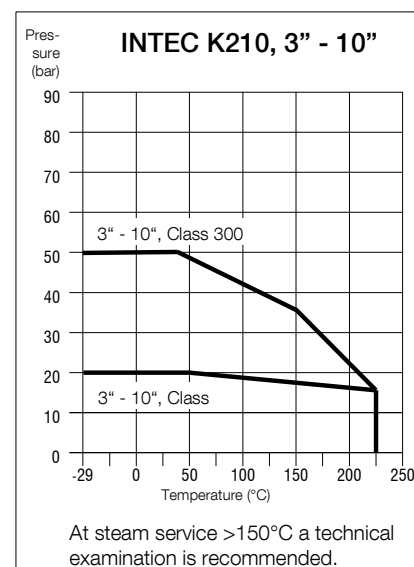
**flanges acc. to ANSI B 16.5**

## Specification:

Two-piece ball valve, flanges acc. to ANSI B 16.5, face to face dimensions acc. to ANSI B 16.10, full bore, blow-out-proof design, body material stainless steel (ASTM A351-CF8M) or carbon steel (ASTM A216-WCB), antistatic device, free of non ferrous metals, trunnion mounted ball, seats full chambered, both sides spring loaded seat rings, 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 API 607 and DIN EN ISO 10497, with lever.

Marking: INTEC K210

No.	Part	Material	Material
Standard design			
1	body	ASTM A216-WCB	ASTM A351-CF8M
2	cap	ASTM A216-WCB	ASTM A351-CF8M
3	ball	1.4408 (ASTM A351-CF8M)	
4	seat	KFGN/KFM	
5	body seal	KF	
6	stem	1.4462 (A479 UNS S31803)	
7	seat bearing ring	1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)	
8	bearing ring seal	KF	
9	spiral spring	1.4401 (AISI 316)	
10	follower ring	1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)	
11	stem bearing	1.4401 (AISI 316)/KF	
12	below seal	KFGN/Graphite	
13	upper seal	KFAM/Graphite	
14	bearing	PEEK	
15	hex. nut self-locking	1.4301 (AISI 304)	
16	antistatic element	1.4401 (AISI 316)/1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)	
17	trunnion (up NPS 5" with screwed end)	1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)	
18	bearing	1.4401 (AISI 316)/KF	
19	trunnion seal	KF	
20	hex. screw (as from NPS 6")	A4-70 (A193-B8M)	
21	lever	1.4408 (ASTM A351-CF8M)/1.4308 (ASTM A351-CF8)	
22	stopper	A2	
23	hex. screw	A4-70 (A193-B8M)	
Fire-Safe design			
5	combined body seal	KF-Graphite	
8	bearing ring seal	Graphite	
9	spiral spring	Inconel X750	
14	Fire-Safe seal	Graphite	
	ring	1.4571 (AISI 316 Ti)/1.4404 (AISI 316 L)	
	thrust washer	PEEK	
19	trunnion seal	KF-Graphite	



**Ordering example:**  
**INTEC K210, 8", Class 300,**  
**CF8M, Fire-Safe**

## Dimensions

NPS inch	dimensions (mm)									top flange ISO	torque	
	H	L1	L 150 lbs.	L 300 lbs.	D 150 lbs.	D 300 lbs.	E	H1			Nm** 150 lbs.	Nm** 300 lbs.
3"	194	500	203	283	190	210	112.5	155	F10		121	214
4"	221.5	500	229	305	229	254	137	179.5	F12		168	324
6"	263	700	394	403	279	318	181	229.5	F12		333	733***
8"	304	1000	457	502	343	381	225	284.5	F14		634**	1462***
10"	340.5	1200	533	568	406	444	261.5	321	F14		993**	2309***

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

\*\*\* Class 300 gearbox recommended.

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