FLANGED BALL VALVE
Fig. 1516

JC VALVES

GENERAL FEATURES:

- Split body - semi-trunnion - full bore - blow out proof stem
- Face to face according to 3202 F18
- Cavity balancing hole (standard = 5 mm diameter) in the top of the ball avoids overpressure in the cavity
- With antistatic device
- Temperature range: -20°C ~ 230°C
- Max. working pressure: 20 bar



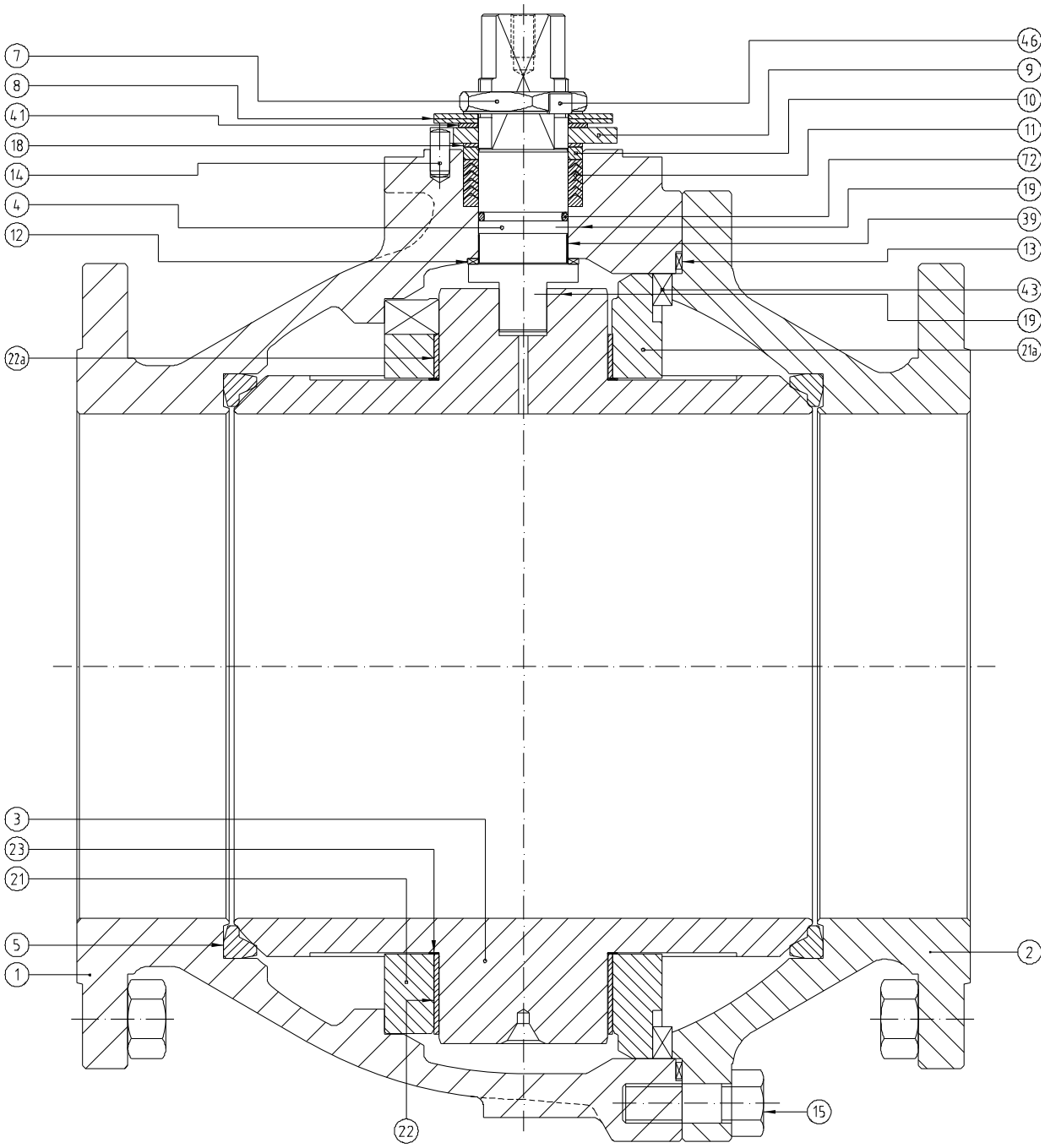


CE

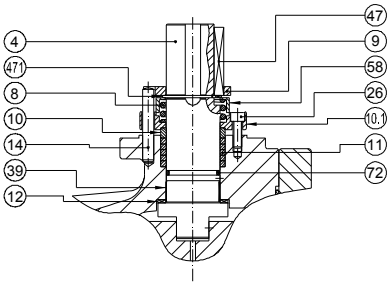
Ex ATEX

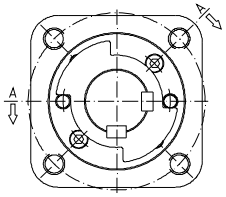
DESIGN STANDARDS	
Valves design	DIN 3357, EN 1983
Body design	DIN 3840
Shell thickness	BS 5351
Flanges	DIN 2501, EN 1092-1
Face to face dimensions	DIN 3202 F18, EN 558-1 Series 27
Actuator mounting flange	ISO 5211, DIN 3337
Shell finishing quality	MSS SP 55
Marking	BS 5351, EN 19, CE-PED
TESTS AND CERTIFICATES	
Quality Assurance	ISO 9001, CE-PED
Fire Safe certification	BS 6755 Part 2, ISO 10497
Pressure testing	DIN 3230, BS 6755 Part 1, EN 12266, NF E 29-203
Other	ISO 14001, ATEX

Subject to changes

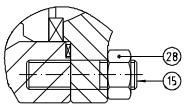


Only DN 300
Section A-A





Only DN 250



Subject to changes

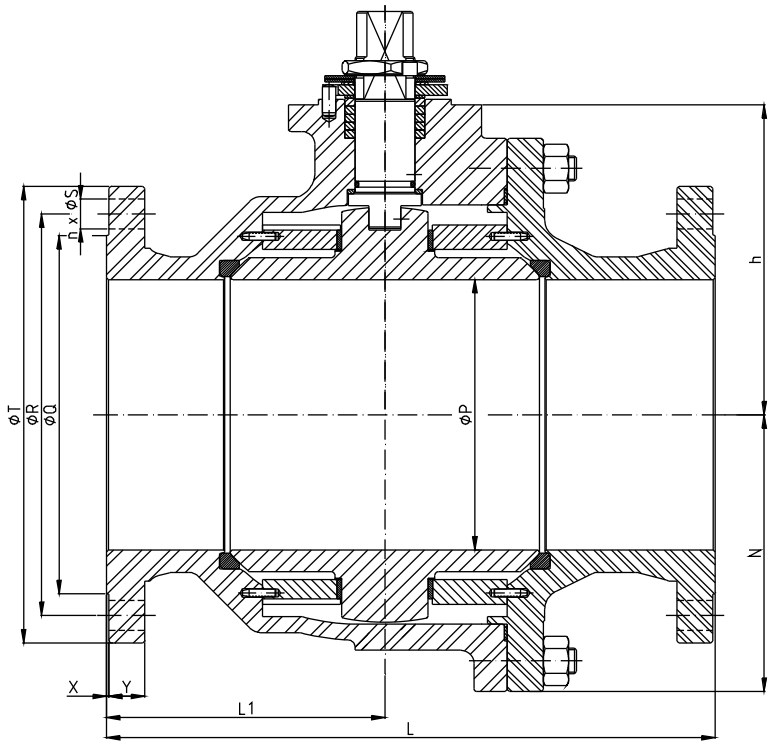
FLANGED BALL VALVE
Fig. 1516 - Materials

Item	Description	Materials	
		AIT	IIT
1	Body	1.0619	1.4408
2	Cap	1.0619	1.4408
3	Ball	A 351 Gr. CF8M	
4	Stem	F51	
5	Seat ring	PTFE	
7	Gland nut	Zinc plated carbon steel	AISI 303
8	Disc spring	Carbon steel	E.N.P. Carbon steel
9	Stop plate	Carbon steel	AISI 304
10	Gland	AISI 303	AISI 316
10.1	Gland	AISI 303	AISI 316
11	Gland packing	PTFE (DN300: PTFE + AISI 316)*	
12	Stem thrust seal	PTFE + 25% Glassfiber	
13	Cap seal	PTFE (DN300: PTFE + AISI 316)*	
14	Stop pin	Carbon steel	Stainless steel
14.1	Pin	Stainless steel	
15	Bolt (Stud only DN 250)	DIN 933 A4-70	
18	Thrust washer	PTFE + 25% Glassfiber	
19	Antistatic device	Stainless steel	
21 / 21a	Ball trunnion	A 351 Gr. CF8M	
22 / 22a	Trunnion bearing	PTFE + 50% Stainless steel	
23	Bearing	PTFE	
26	Bolt	DIN 912 8.8 zinc plated	DIN 912 A4-70
28	Nut (DN250 only)	DIN 934 8.8 zinc plated	DIN 934 A4-70
39	Stem bushing	PTFE + 25% Glassfiber	
41	Spacer	Carbon steel	Stainless steel
43	Key	AISI 316	
46	Locking washer	AISI 304	
47	Key	AISI 316	
58	Spring protection	Carbon steel	Stainless steel
72	O-ring	FKM	
89	Identification plate	Stainless steel	
471	Retainer	Carbon steel	Stainless steel

* Graphite for Fire safe version

Subject to changes

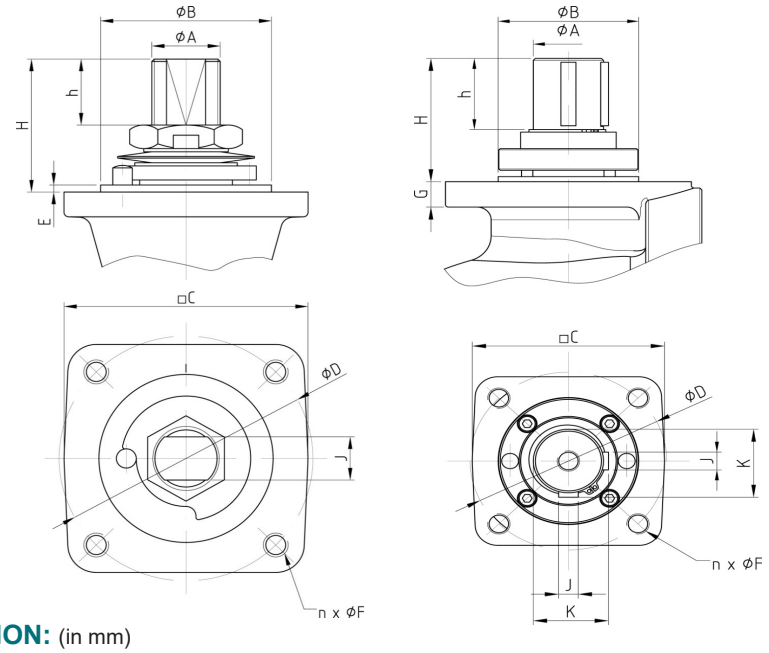
FLANGED BALL VALVE
Fig. 1516 - Dimensions



DIMENSIONS: (in mm)

DN	Ø P	L	L1	Ø Q	Ø R	n x Ø S	Ø T	X	Y	h	N	Kg
250	254	450	225	320	355	12x26	405	2	26	256	239,0	223
300	305	500	245	378	410	12x26	460	2	28	297	287,5	323

DN 300

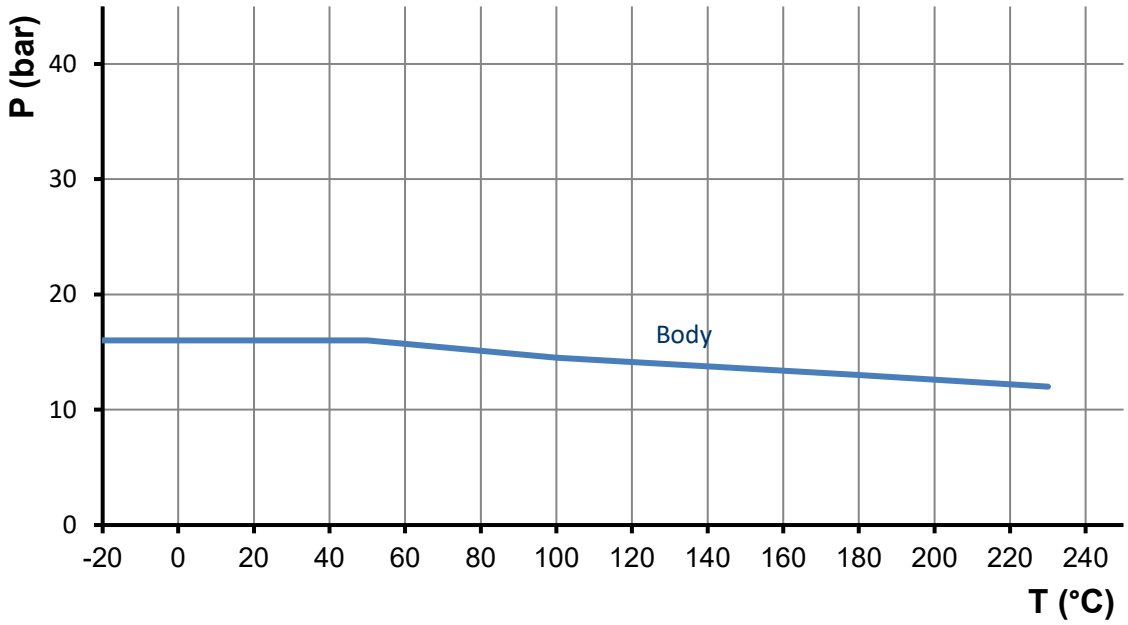


ACTUATOR CONNECTION: (in mm)

DN	ISO	Ø A	Ø B	□ C	Ø D	n x F	E	G	H	h	J	K
250	F14	45	100	140	140	4 x M16	4	-	72	36,5	32	-
300	F14	50	100	135	140	4 x M16	4	19	106	58	14	53,5

Subject to changes

PRESSURE-TEMPERATURE CHART:



TORQUES: (in Nm)

DN	Torque
250	1120
300	1500

Kv VALUE: (in m³/h)

DN	Kv value
250	15.000
300	20.800

Subject to changes