FLANGED BALL VALVE
Fig. 1515

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: -29°C ~ 230°C
- Max. working pressure: 20 bar







Fire safe tested

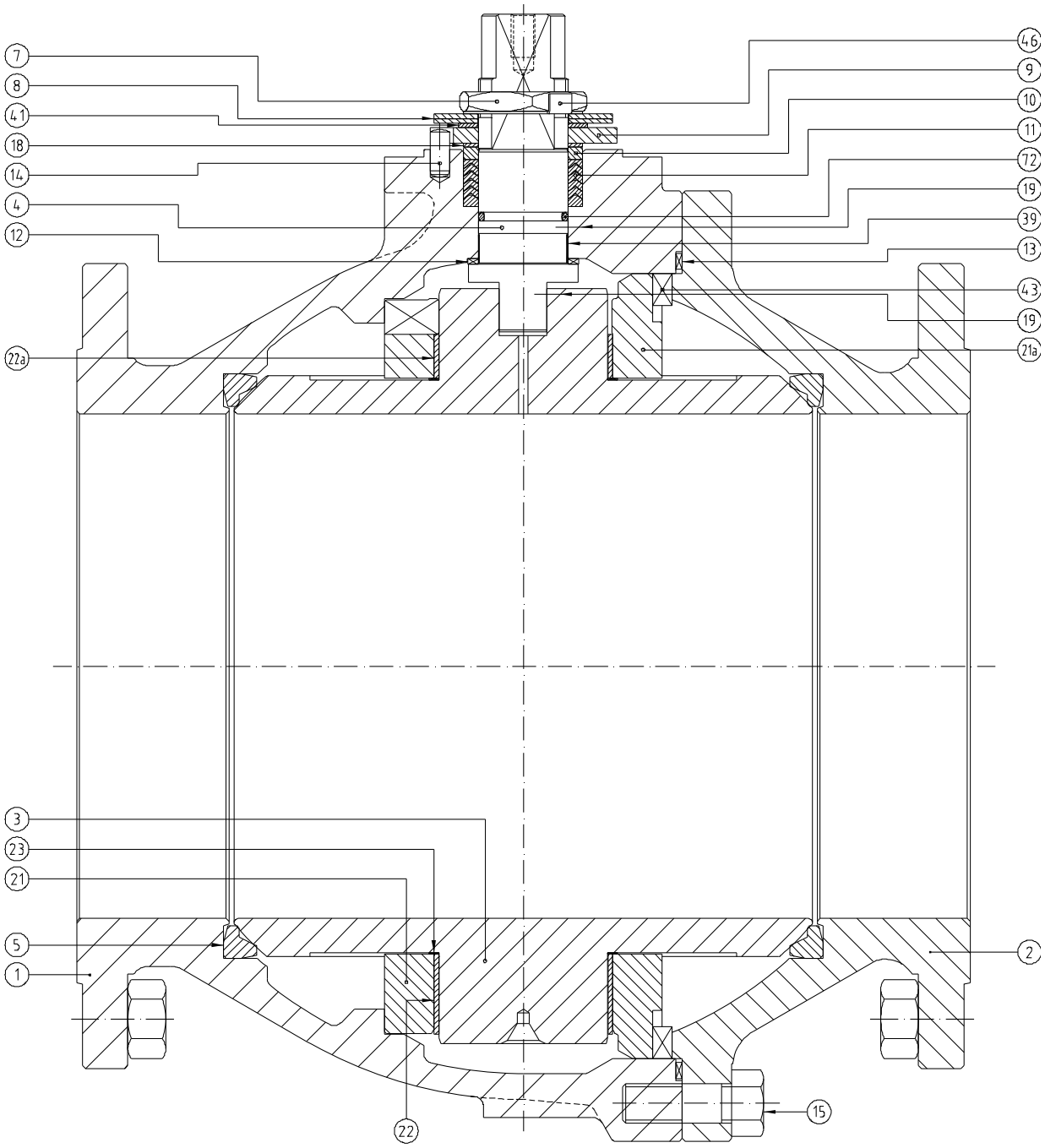
CE

Ex

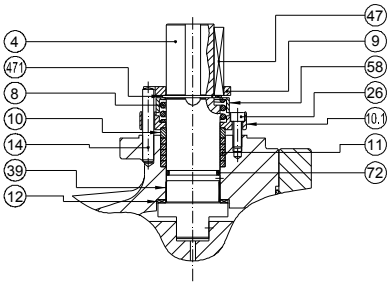
ATEX

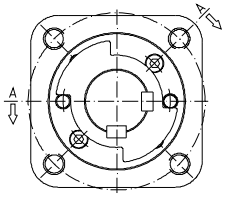
DESIGN STANDARDS	
Valves design	API 6D, ASME B16.34, BS 5351, NF E 29-470
Body design	ASME VIII Div. 1
Shell thickness	ASME B16.34, BS 5351
Flanges	ASME B16.5 Raised face
Face to face dimensions	ASME B16.10 Long pattern, API 6D, EN 558-2 Series 3, 4 & 12
Actuator mounting flange	ISO 5211
Wetted parts materials and bolting	NACE MR 01.75
Shell finishing quality	MSS SP 55
Marking	API 6D, BS 5351, NF E 29-470, CE-PED, EN 19
TESTS AND CERTIFICATES	
Quality Assurance	ISO 9001, API Q1, CE- PED
Fire Safe certification	BS 6755 Part 2, API 6FA, ISO 10497
Pressure testing	API 598, BS 6755 Part 1, ISO 5208, NF E 29-203, EN 12266
Other	ISO 14001, ATEX

Subject to changes

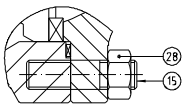


Only DN 300
Section A-A





Only DN 250



Subject to changes

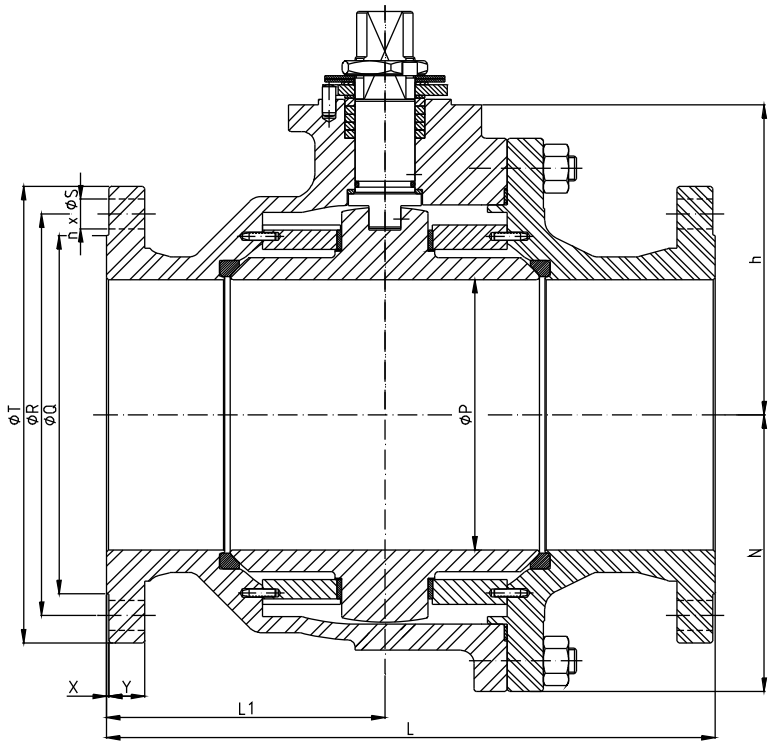
FLANGED BALL VALVE
Fig. 1515 - Materials

Item	Description	Materials	
		AIT	IIT
1	Body	A 216 Gr. WCB (C 2265 <= 0,25%)	A 351 Gr. CF8M
2	Cap	A 216 Gr. WCB (C 2265 <= 0,25%)	A 351 Gr. CF8M
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	Steel	E.N.P. steel
9	Stop plate	Steel	AISI 304
10	Gland	AISI 303	AISI 316
10.1	Gland	AISI 303	AISI 316
11	Gland packing	Graphite	
12	Stem thrust seal	PTFE + 25% Glassfiber	
13	Cap seal	AISI 316L + Graphite	
14	Stop pin	Steel	Stainless steel
15	Pin	A 193 Gr. B7M	A 193 Gr. B8M
18	Thrust washer	PTFE + 25% Glassfiber	
19	Antistatic device	Stainless steel	
21 / 21a	Ball trunnion	AISI 316	
22 / 22a	Trunnion bearing	PTFE + 50% Stainless steel	
23	Bearing	PTFE	
26	Bolt	DIN 912 8.8, zinc plated	DIN 912 A2
28	Nut (DN250 only)	A 194 Gr. 2HM	A 194 Gr. 8M
39	Stem bushing	PTFE + 25% Glassfiber*	
41	Spacer	Staal	Roestvast staal
43	Key	AISI 316	
46	Locking washer	AISI 304	
47	Key	AISI 316	
58	Spring protection	Steel	Stainless steel
72	O-ring	FKM	
89	Identification plate	Roestvast staal	
471	Retainer	Steel	Stainless steel

* AISI 316 + PTFE for DN300

Subject to changes

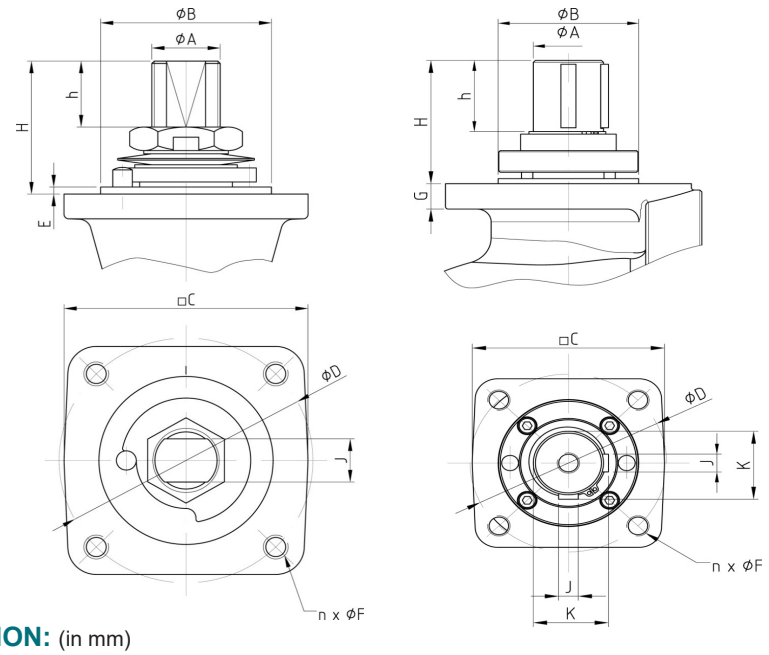
FLANGED BALL VALVE
Fig. 1515 - Dimensions



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	533	225	324	362,0	12x25,4	406	1,6	28,7	256	239,0	237
300	305	610	270	381	431,8	12x25,4	483	1,6	30,2	297	287,5	357

DN 300 (12”)

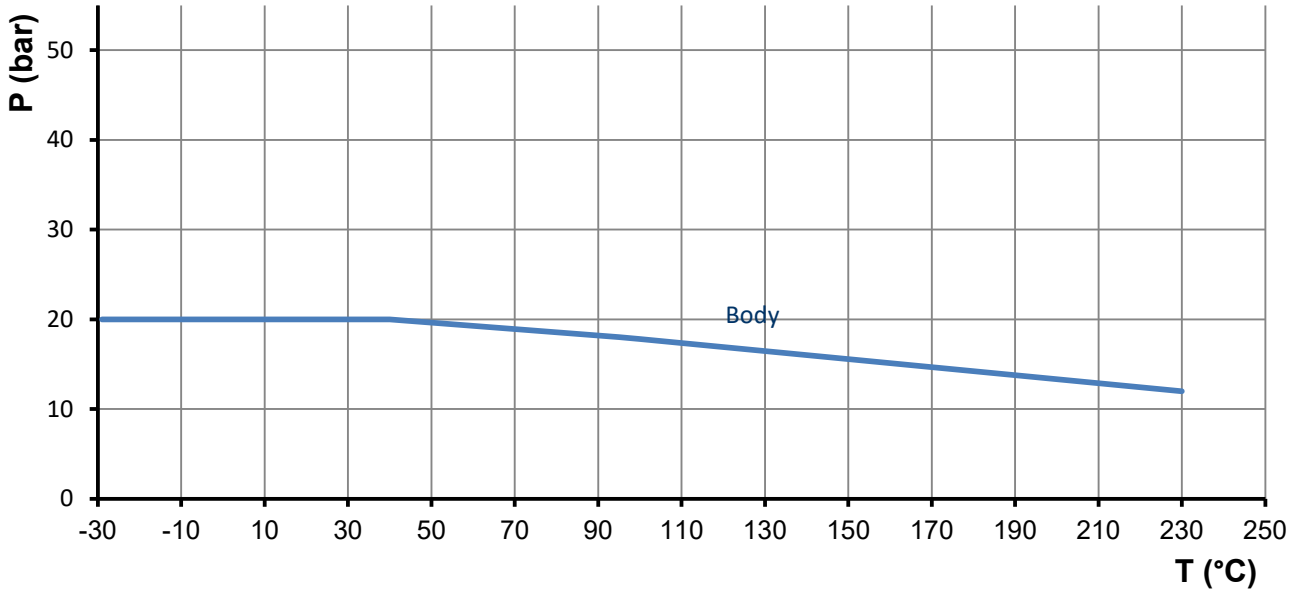


ACTUATOR CONNECTION: (in mm)

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	37	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	1280
300	1500

Kv VALUE: (in m³/h)

DN	Kv value
250	15.000
300	20.800

Subject to changes