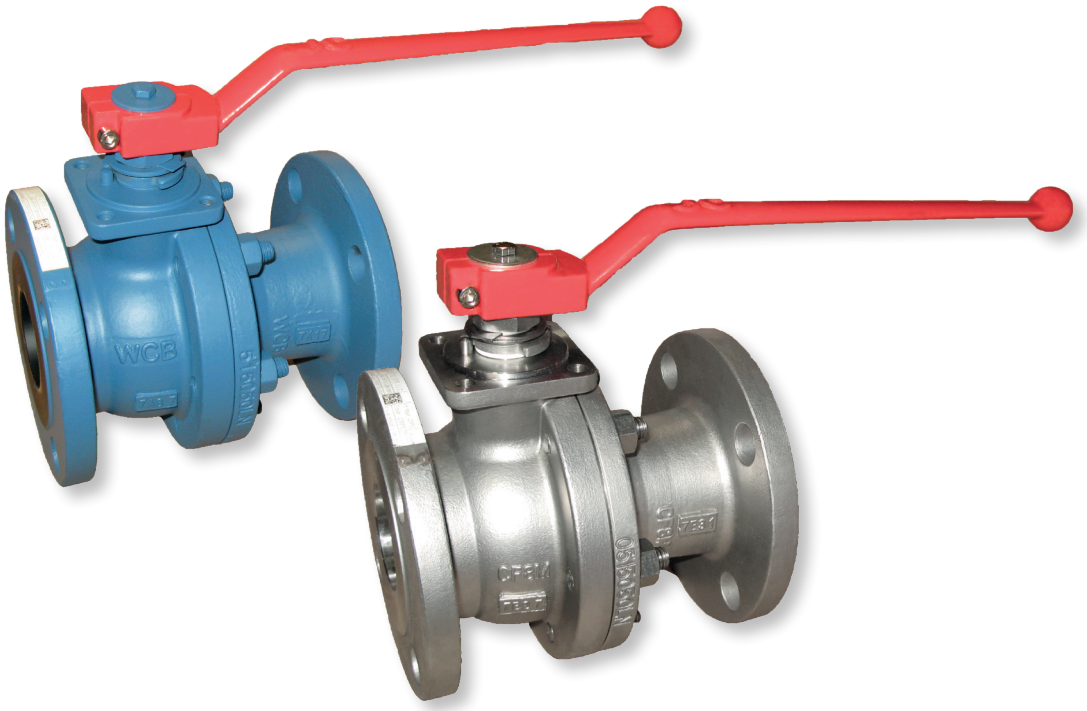
FLANGED BALL VALVE
515 SERIES - ANSI 150

JC VALVES

GENERAL FEATURES:

- Split body - floating ball - full bore - blow out proof stem
- Anti-static device according to BS 5351, ISO 7121 and NF E29-470
- Cavity balancing hole (standard= 5 mm diameter) in the top of the ball avoids overpressure in the cavity
- All valves meet the TA Luft requirements
- Max. temperatures: -29°C ~ 230°C (AIT) and -50°C ~ 230°C (IIT)





Fire safe tested

CE

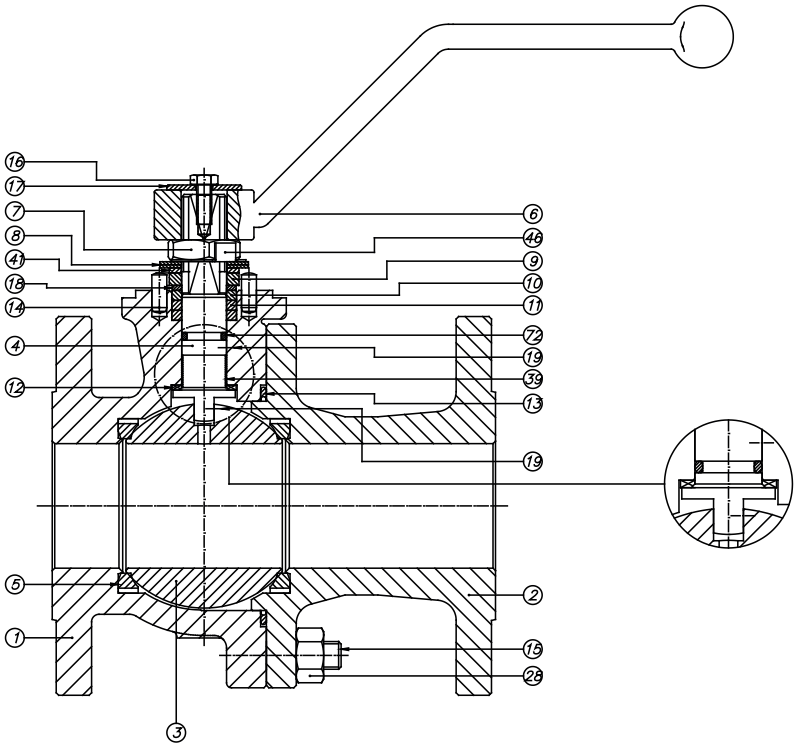
TÜV
TA Luft

ATEX

DESIGN STANDARDS	
Valves design	API 6D
Body design	ASME VIII Div.1
Shell thickness	ASME B16.34
Flanges	ASME B16.5 Raised face
Face to face dimensions	ASME B16.10 Long pattern
Actuator mounting flange	ISO 5211
Shell finishing quality	MSS SP 55
Marking	API 6D, CE-PED
TESTS AND CERTIFICATES	
Quality Assurance	ISO 9001, API 6D, CE-PED
Fire Safe certification	API 6FA, ISO 10497, API 607
Pressure testing	API 598, API 6D
Fugitive emissions	ISO 15848, API 641
TA-Luft	VDI 2440
SIL	Level 3 IEC 61508
Other	ISO 14001, ATEX, EN13774

Subject to changes

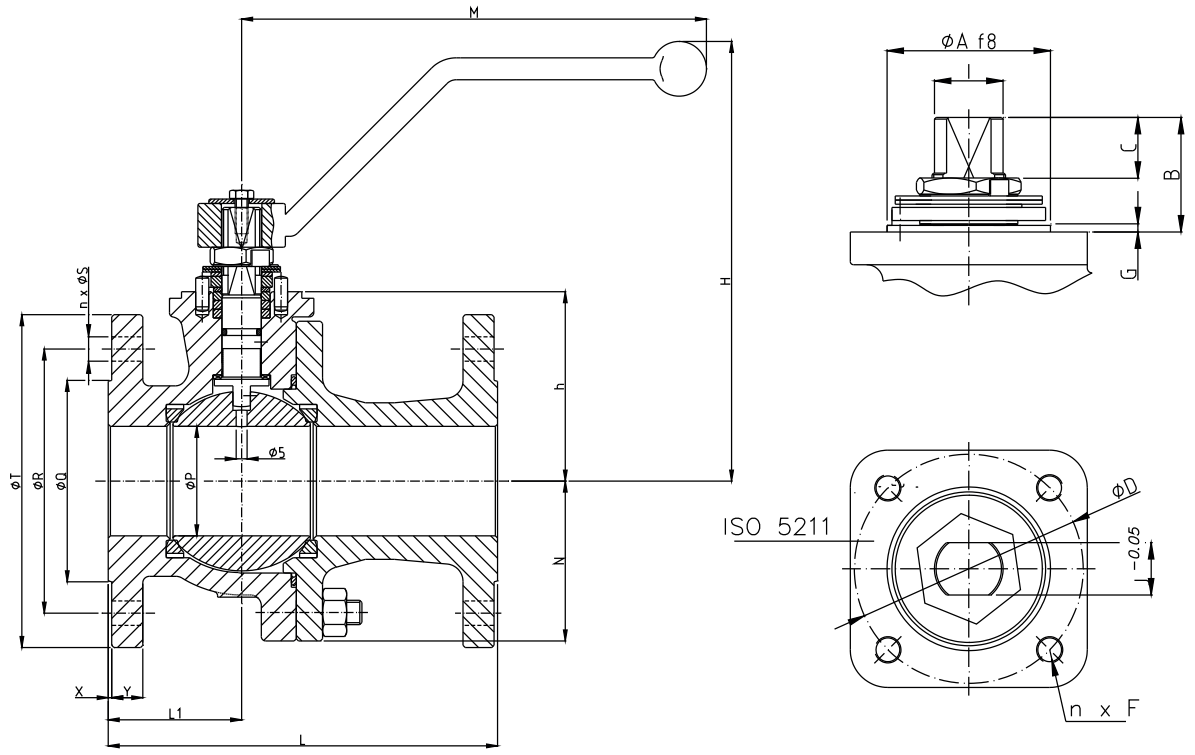
FLANGED BALL VALVE
515 SERIES - Materials



Item	Description	Materials	
		AIT	IIT
1	Body	A 216 Gr. WCB (C≤ 0,25%)	A 351 Gr. CF8M
2	Body connector	A 216 Gr. WCB (C≤ 0,25%)	A 351 Gr. CF8M
3	Ball	A 351 Gr. CF8M (DN 15 : 25 A 479 Tp.316)	
4	Stem	F51	
5	Seat ring	PTFE	
6	Wrench	A 216 Gr. WCB	
7	Gland nut	Zinc plated carbon steel	AISI 303
8	Disk spring	Carbon Steel	Stainless steel A666 TP.301
9	Stop plate	Carbon Steel	AISI 304
10	Gland	AISI 303	AISI 316
11	Gland packing	Graphite	
12	Stem thrust seal	25% G.F. PTFE	
13	Body connector seal	AISI 316L + PTFE + Graphite	
14	Stop pin	Carbon Steel	Stainless steel
15	Bolt (DN 15)	A 193 Gr. B7M	A 193 Gr. B8M
16	Bolt	DIN 933 A2 - 70	
17	Washer	Zinc plated carbon steel	AISI 304
18	Thrust washer	25% G.F. PTFE	
19	Antistatic device	Stainless Steel	
28	Nut (DN 20 to DN 200)	A 194 Gr. 2HM	A 194 Gr. 8M
39	Stem bushing (DN 25 to DN 200)	25% G.F. PTFE	
41	Spacer (DN 40 to 200)	Carbon Steel	AISI 304
46	Washer	AISI 304	
72	"O" Ring	FKM	
89	Identification plate	Stainless Steel	

Subject to changes

FLANGED BALL VALVE
515 SERIES - Dimensions



DIMENSIONS: (in mm)

DN	Ø P	L	L1	Ø Q	Ø R	n x Ø S	Ø T	X	Y	h	N	H	M	Kg
15	15	108	47,0	34,9	60,3	4 x 15,9	90	2,0	8,0	46,0	-	111	164	2,0
20	20	117	50,0	42,9	69,8	4 x 15,9	100	2,0	8,9	53,0	-	118	164	3,0
25	25	127	52,0	50,8	79,4	4 x 15,9	110	2,0	9,6	58,0	-	130	164	3,5
40	40	165	65,0	73,0	98,4	4 x 15,9	125	2,0	12,7	76,0	-	148	213	8,0
50	50	178	61,0	92,1	120,7	4 x 19,1	150	2,0	14,3	83,5	-	155	213	11,0
65	65	190	75,0	104,8	139,7	4 x 19,1	180	2,0	15,9	97,0	-	169	348	16,0
80	80	203	78,5	127,0	152,4	4 x 19,1	190	2,0	17,5	111,0	-	207	445	23,0
100	100	229	90,0	157,2	190,5	8 x 19,1	230	2,0	22,3	133,0	120	232	495	38,0
150	151	394	174,0	215,9	241,3	8 x 22,2	280	2,0	23,9	183,0	168	299	698	88,0
200	203	457	200,0	270,0	298,4	8 x 22,2	345	2,0	27,0	233,0	208	353	868	155,0

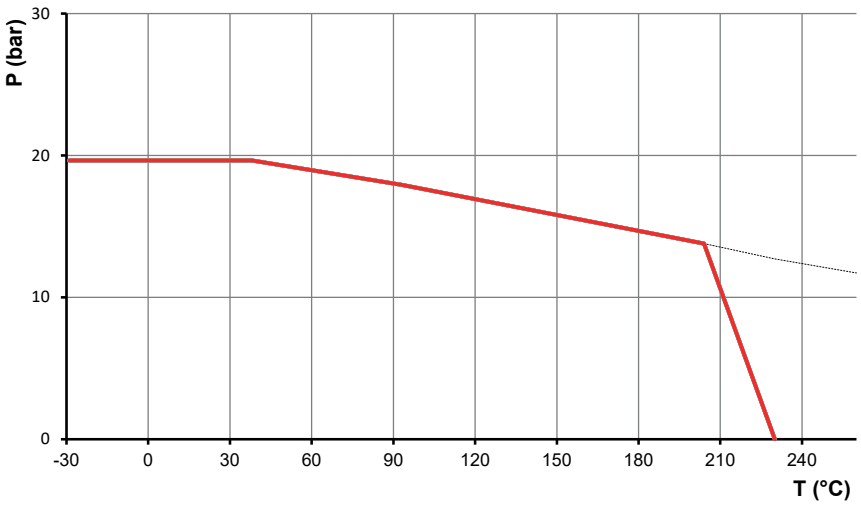
ACTUATOR CONNECTION: (in mm)

DN	ISO	Ø A	B	C	Ø D	n x F	G	I	J
15	F05	35	11,2	5,0	50	4 x M6	1,5	M12x1,5	9
20	F05	35	14,7	8,5	50	4 x M6	1,5	M12x1,5	9
25	F05	35	22,7	9,5	50	4 x M6	1,5	M12x1,5	9
40	F07	55	41,5	18,3	70	4 x M8	3,0	M18x1,5	13
50	F07	55	41,5	18,3	70	4 x M8	3,0	M18x1,5	13
65	F07	55	44,0	18,6	70	4 x M8	3,0	M22x1,5	16
80	F10	70	44,5	18,6	102	4 x M10	3,0	M25x1,5	18
100	F10	70	56,5	27,8	102	4 x M10	3,0	M28x1,5	20
150	F12	85	68,0	37,1	125	4 x M12	3,0	M40x2	29
200	F14	100	72,0	36,5	140	4 x M16	4,0	M45x2	32

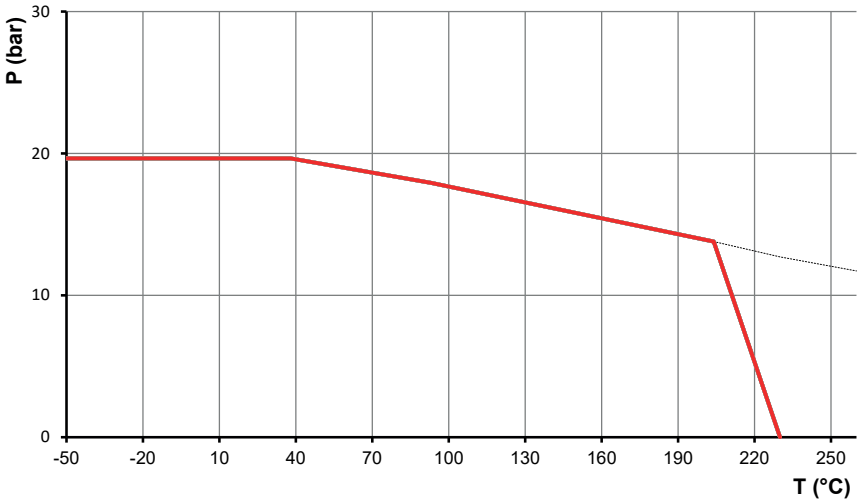
Subject to changes

PRESSURE-TEMPERATURE CHART:

AIT



IIT



TORQUES: (in Nm)

DN	150 Lbs Differential pressure 20 bar
15	9
20	13
25	17
40	30
50	43
65	66
80	102
100	150
150	326
200	729

Kv VALUE: (in m³/h)

DN	Kv value
15	20
20	40
25	75
40	170
50	270
65	550
80	1.000
100	1.650
150	4.200
200	9.000

Subject to changes