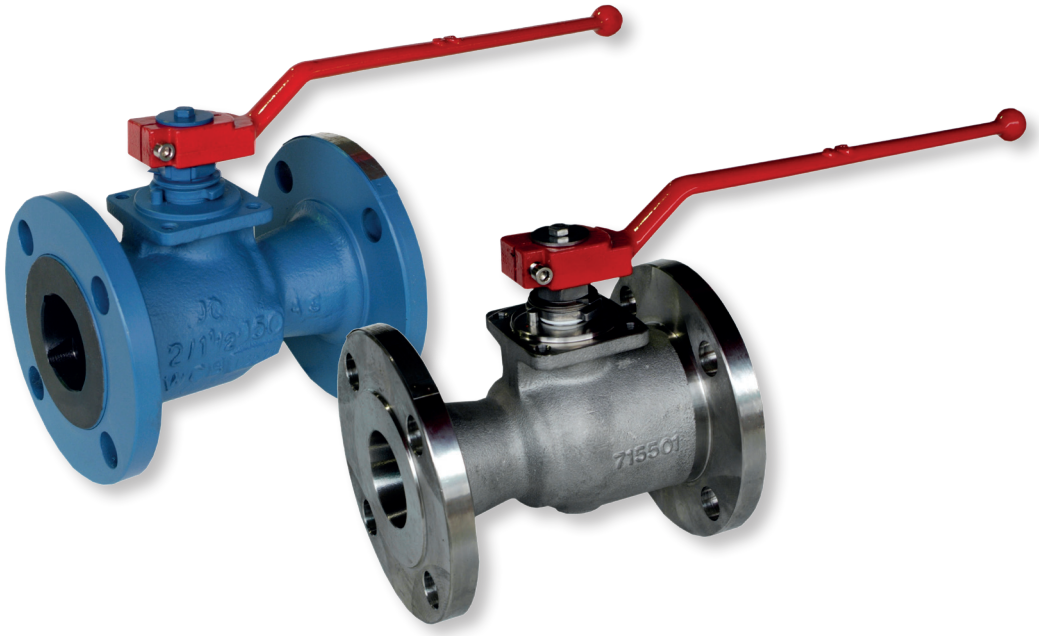
FLANGED BALL VALVE
715 SERIES - ANSI 150

JC VALVES

GENERAL FEATURES:

- One-piece body - floating ball - reduced bore - blow out proof stem
- Anti-static device according to BS 5351 and ISO 7121
- 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
- CE and ATEX marked
- ANSI 150, 1/2" - 10"
- Max. temperatures: -29°C ~ 230°C (AIT) and -50°C ~ 230°C (IIT)





Fire safe tested

CE

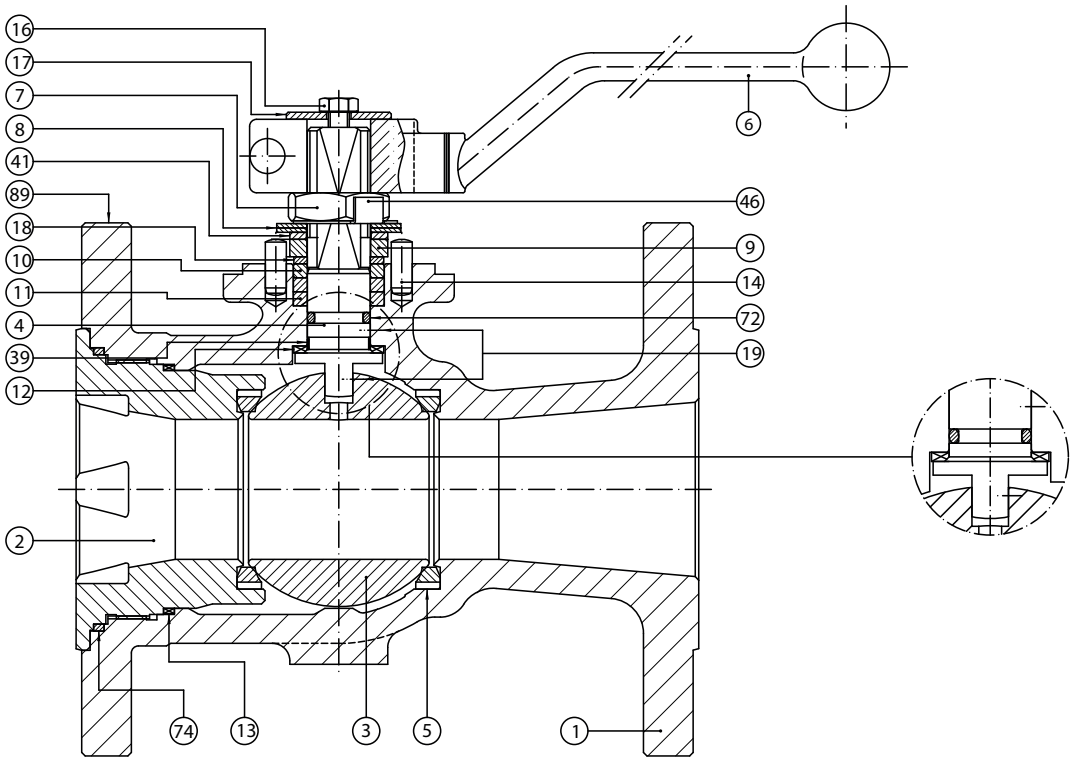
TÜV
TA Luft

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 short pattern
Actuator mounting flange	ISO 5211
Shell finishing quality	MSS SP 55
Marking	API 6D
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
SIL	Level 3 IEC 61508
Other	ISO 14001, ATEX, EN13774

Subject to changes

FLANGED BALL VALVE
715 SERIES - Materials

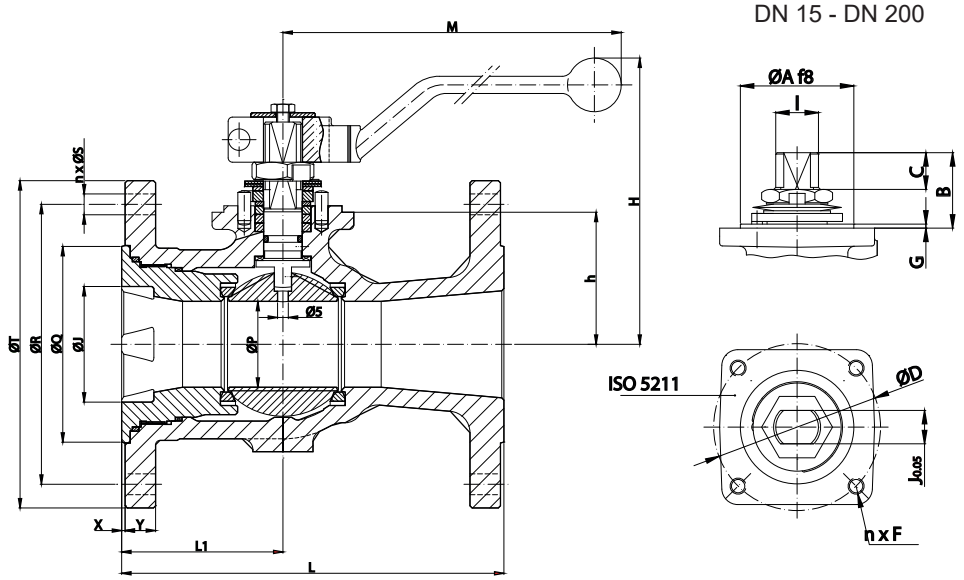


Item	Description	Materials	
		AIT	IIT
1	Body	A 216 Gr. WCB (C≤ 0,25%)	A 351 Gr. CF8M
2	Body connector	A 216 Gr. WCB (C≤ 0,25%)	A 351 Gr. CF8M
3	Ball	A 351 Gr. CF8M (DN 15 : 25 A 479 Tp.316)	
4	Stem	F51	
5	Seat ring	PTFE	
6	Wrench	A 216 Gr. WCB	
7	Gland nut	Zinc plated carbon steel	AISI 303
8	Disk spring	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 (DN 250 stainless steel)	Stainless steel
16	Bolt	DIN 933 A2 - 70	DIN 933 A4 - 70
17	Washer	Zinc plated carbon steel	AISI 304
18	Thrust washer	25% G.F. PTFE	
19	Antistatic device	Stainless Steel	
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	
74	Insert seal	Graphite	
89	Identification plate	Stainless Steel	

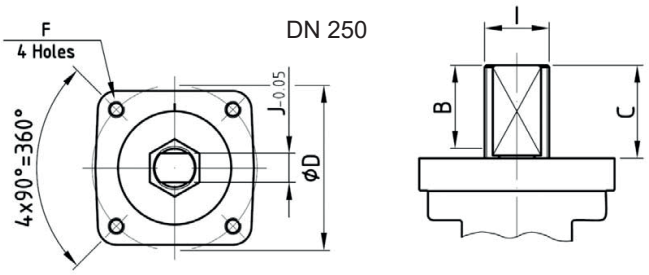
Subject to changes

FLANGED BALL VALVE
715 SERIES - Dimensions

DN 15 - DN 200



DN 250



DIMENSIONS: (in mm)

DN	ØJ	Ø P	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	H	M	Kg
15	15	10	108	54,0	34,9	60,3	4x 15,9	90	2,0	8,0	21,5	81	164	1,6
20	20	15	117	60,0	42,9	69,9	4x 15,9	100	2,0	8,9	26	99	164	2,1
25	25	20	127	65,0	50,8	79,4	4x 15,9	110	2,0	9,6	29	102	164	2,7
40	40	32	165	72,0	73,0	98,4	4x 15,9	125	2,0	12,7	51	117	210	5,1
50	50	40	178	75,0	92,1	120,7	4x 19	150	2,0	14,3	61,5	133	213	7,9
80	80	58	203	88,0	127,0	152,4	4x 19	190	2,0	17,5	76	148	348	14,3
100	102	80	229	104,0	157,2	190,5	8x 19	230	2,0	22,3	92,5	189	445	25,9
150	152	111	267	125,0	215,9	241,3	8x 22,2	280	2,0	23,9	129	228	495	43,8
200	200	144	292	135,0	269,9	298,5	8x 22,2	345	2,0	27,0	158	267	698	77,0
250	254	187	330	165,5	323,8	362	12x 25,4	405	2,0	28,6	239	-	-	115,0

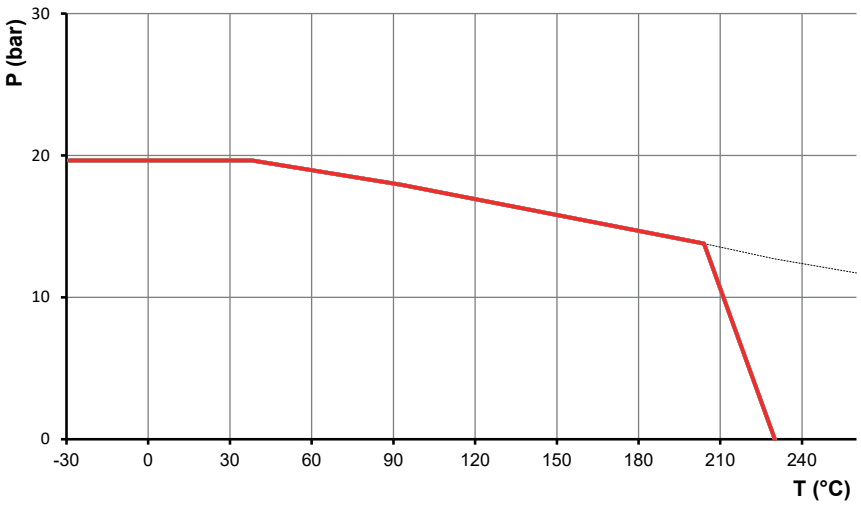
ACTUATOR CONNECTION: (in mm)

DN	ISO	Ø A	B	C	Ø D	n x F	G	I	J
15	F05	35	22,0	7,9	50	4x M6	1,5	M10x1,5	7
20	F05	35	22,7	8,5	50	4x M6	3,0	M12x1,5	9
25	F05	35	22,7	8,5	50	4x M6	3,0	M12x1,5	9
40	F05	35	34,5	14,0	50	4x M6	3,0	M16x1,5	12
50	F07	55	42,0	18,8	70	4x M8	3,0	M18x1,5	13
80	F07	55	44,0	18,6	70	4x M8	3,0	M22x1,5	16
100	F10	70	44,5	18,6	102	4x M10	3,0	M25x1,5	18
150	F12	85	56,5	27,8	125	4x M12	3,0	M28x1,5	20
200	F12	85	56,0	24,8	125	4x M12	3,0	M35x2	25
250	F16	-	69,0	67,0	165	4x M20	-	M48x3	32

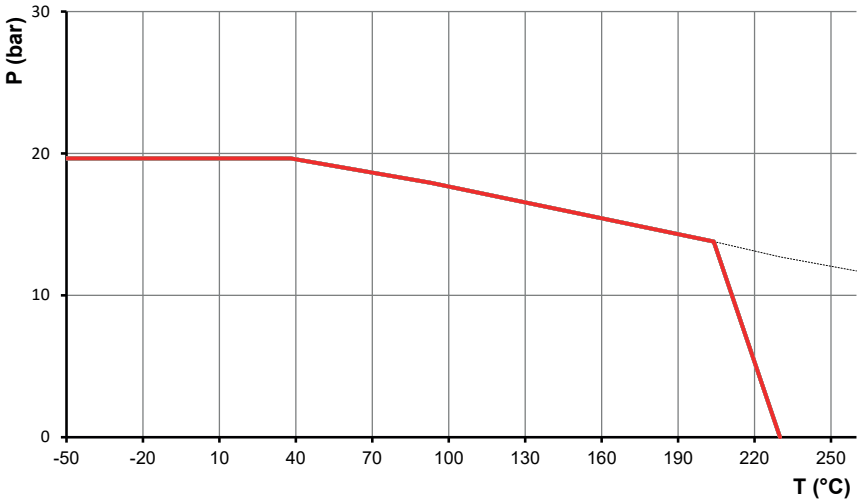
Subject to changes

PRESSURE-TEMPERATURE CHART:

AIT



IIT



TORQUES: (in Nm)

DN	150 Lbs Differential pressure 20 bar
15	8
20	9
25	11
40	17
50	28
80	58
100	85
150	228
200	352
250	540

Kv VALUE: (in m³/h)

DN	Kv value
15	7
20	10
25	26
40	107
50	140
80	300
100	600
150	1.000
200	2.000
250	4.100

Subject to changes