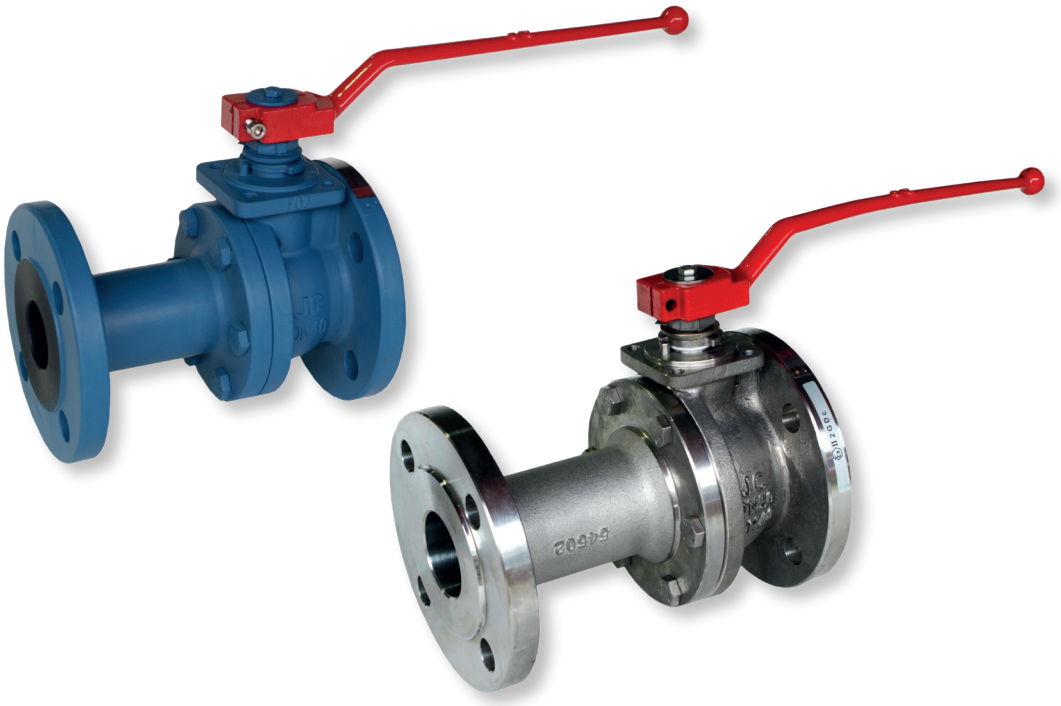
FLANGED BALL VALVE
316GF SERIES - PN 16

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
- DIN 3357 and Fire Safe





Fire safe tested

CE

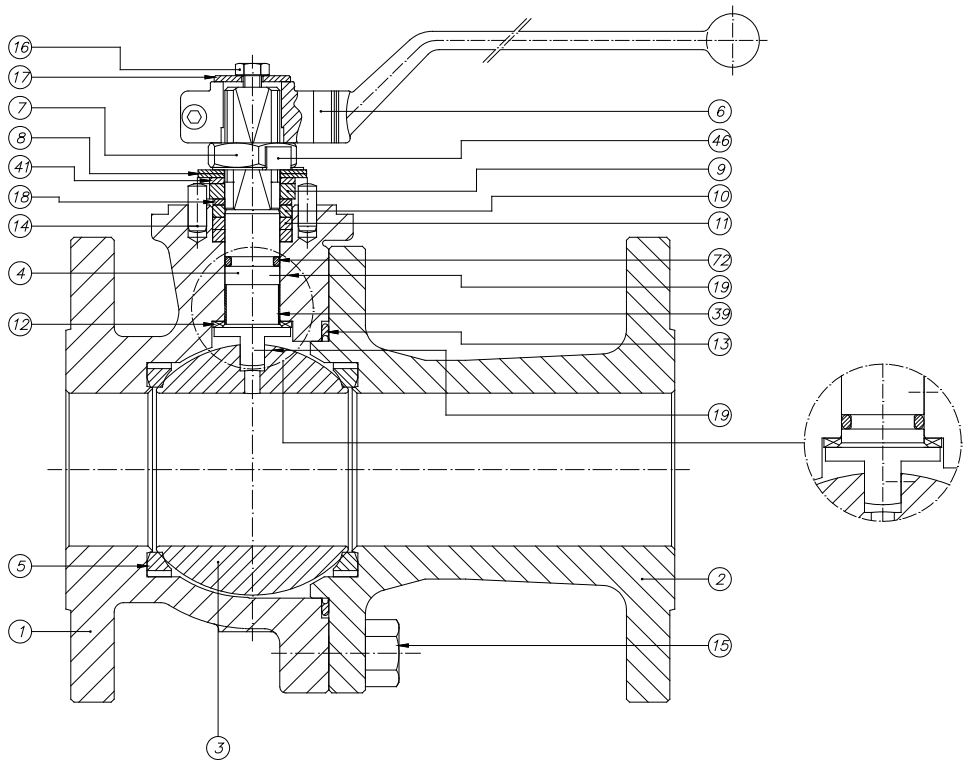
TÜV
TA Luft

ATEX

DESIGN STANDARDS	
Valves design	EN 1983
Body design	EN 12516
Shell thickness	EN ISO 17292
Flanges	DIN 2501, EN 1092
Face to face dimensions	EN 558 series 1
Actuator mounting flange	EN ISO 5211
Shell finishing quality	MSS SP 55
Marking	EN 19, CE-PED
TESTS AND CERTIFICATES	
Quality Assurance	ISO 9001, CE-PED
Fire Safe certification	BS 6755 Part 2, ISO 10497: 2004
Pressure testing	DIN 3230, EN 12266
Other	ISO 14001, ATEX

Subject to changes

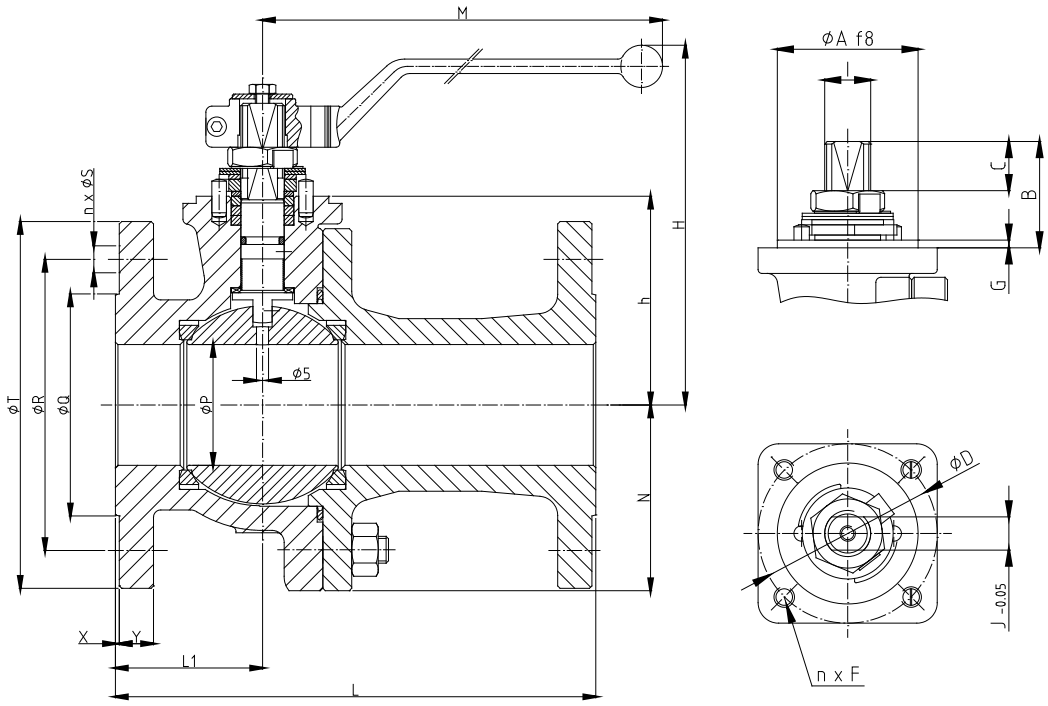
FLANGED BALL VALVE
316GF SERIES - Materials



Item	Description	Materials	
		AIGF	IIGF
1	Body	1.0619	1.4408
2	Body connector	1.0619	1.4408
3	Ball	A 351 Gr. CF8M (DN 15 : 25 A 479 Tp.316)	
4	Stem	F51	
5	Seat ring	Glassfilled PTFE	
6	Wrench	A 216 Gr. WCB	
7	Gland nut	Zinc plated carbon steel	AISI 303
8	Disk spring	Carbon Steel	E.N.P. Carbon steel
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	DIN 933 A4-70	
16	Bolt	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	

Subject to changes

FLANGED BALL VALVE
316GF SERIES - Dimensions



DIMENSIONS: (in mm)

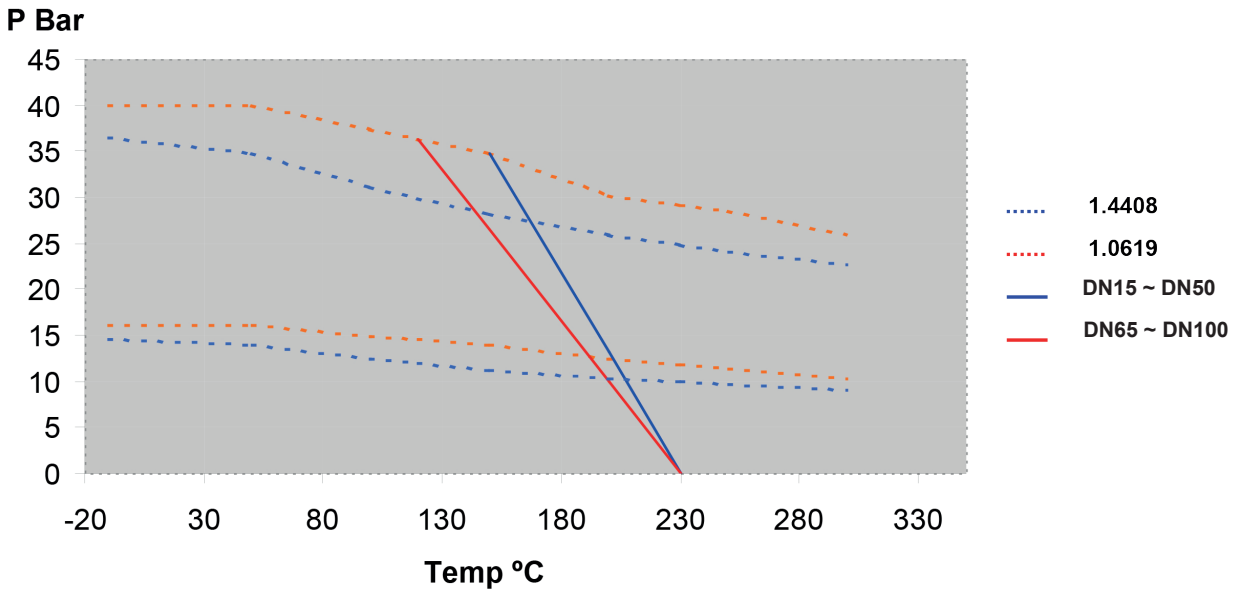
DN	Ø P	L	L1	Ø Q	Ø R	n x Ø S	Ø T	X	Y	h	N	H	M	Kg
15	15	130	53	45	65	4x14	95	2	14,0	46,0	-	110	164	3,0
20	20	150	52	58	75	4x14	104	2	16,0	53,0	-	129	164	3,8
25	25	160	49	68	85	4x14	115	2	16,0	58,0	-	129	164	5,2
32	32	180	54	80	100	4x18	140	2	16,0	66,5	-	131	210	7,6
40	40	200	55	88	110	4x18	150	3	15,5	76,0	-	148	213	9,6
50	50	230	61	102	125	4x18	165	3	17,0	83,5	-	155	213	12,9
65	65	290	76	122	145	4x18	185	3	15,0	97,0	-	169	348	18,3
80	80	310	82	138	160	8x18	200	3	17,0	111,0	-	207	445	24,0
100	100	350	90	158	180	8x18	220	3	17,0	133,0	118	231	495	36,0

ACTUATOR CONNECTION: (in mm)

DN	ISO	Ø A	B	C	Ø D	n x F	G	I	J
15	F05	35	11,2	5,7	50	4x M6	1,5	M12x1.5	9
20	F05	35	15,0	9,2	50	4x M6	1,5	M12x1.5	9
25	F05	35	22,7	10,2	50	4x M6	1,5	M12x1.5	9
32	F05	35	32,0	13,7	50	4x M6	1,5	M16x1.5	12
40	F07	55	41,5	19,2	70	4x M8	3,0	M18x1.5	13
50	F07	55	41,5	19,2	70	4x M8	3,0	M18x1.5	13
65	F07	55	44,0	19,7	70	4x M8	3,0	M22x1.5	16
80	F10	70	44,5	19,7	102	4x M10	3,0	M25x1.5	18
100	F10	70	56,5	29,2	102	4x M10	3,0	M28x1.5	20

Subject to changes

PRESSURE-TEMPERATURE CHART:



TORQUES: (in Nm)

DN	Differential pressure	
	16 bar	40 bar
15	13	
20	16	
25	21	
32	26	
40	45	
50	73	
65	91	-
80	150	-
100	174	-

Kv VALUE: (in m³/h)

DN	Kv value
15	20
20	40
25	75
32	130
40	170
50	270
65	550
80	1.000
100	1.650

Subject to changes