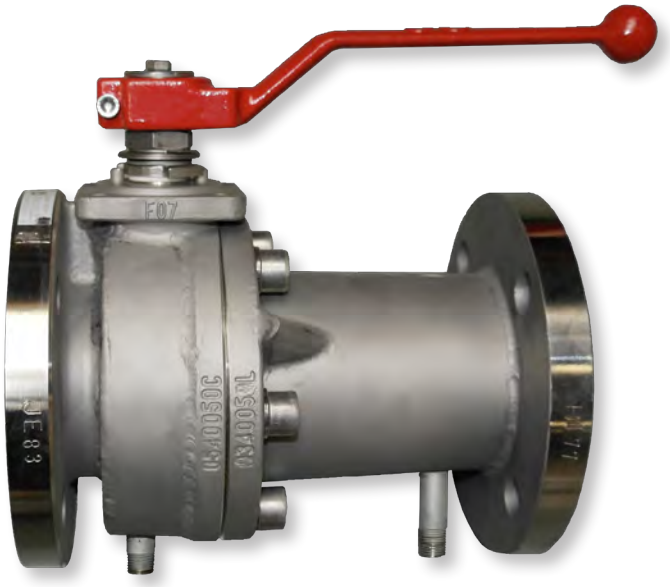
FLANGED BALL VALVE
553 IIS

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
- With heating jacket (max. pressure jacket: 10 bar)
- Max. temperatures: -50°C ~ 260°C



CE

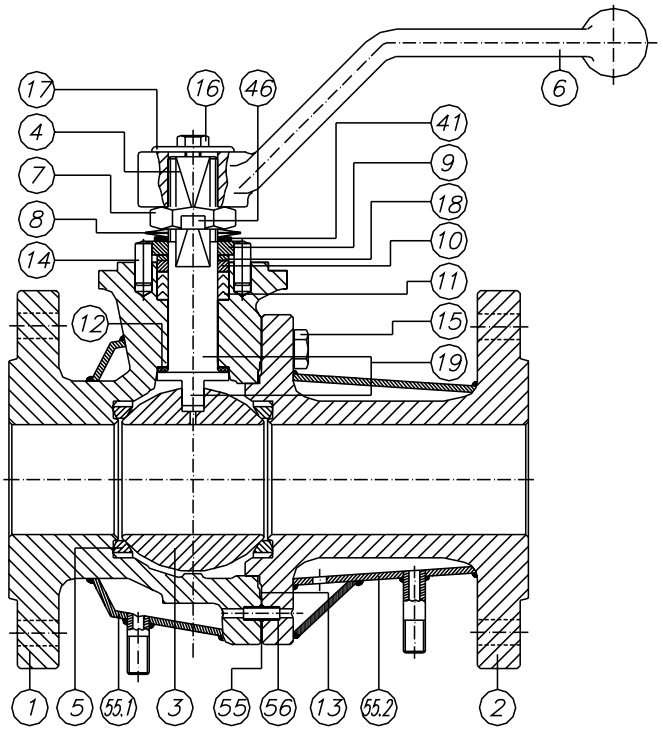
TÜV TA Luft

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 F1, EN 558-1 Series 1
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
Pressure testing	DIN 3230, BS 6755 Part 1, EN 12266, NF E 29-203
Other	ISO 14001, ATEX

Subject to changes

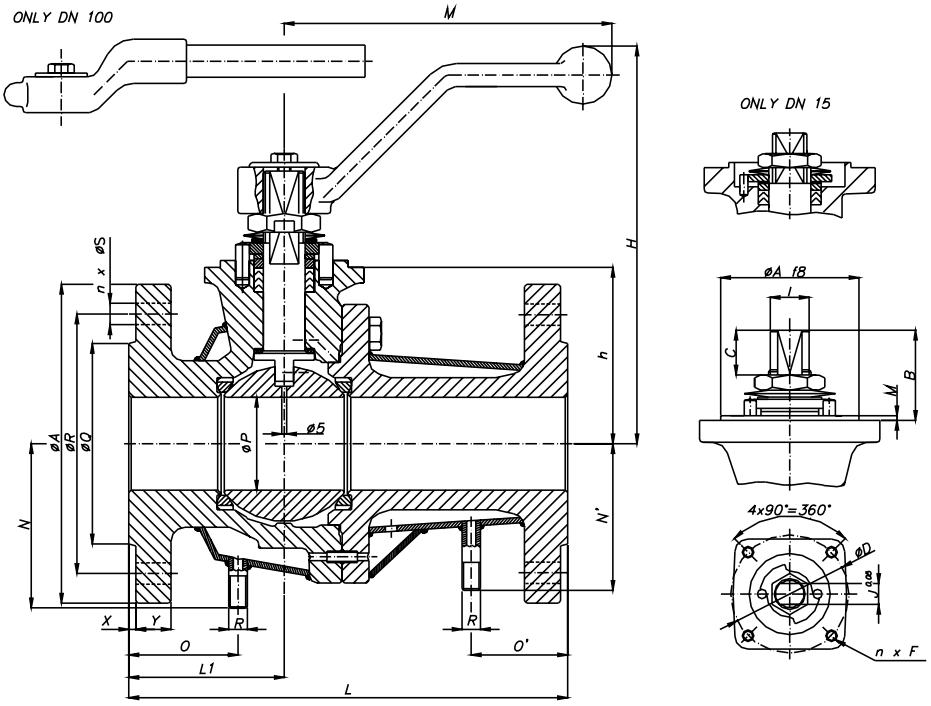
FLANGED BALL VALVE
553 IIS - Materials



Item	Description	Materials
1	Body	1.4408
2	Flange	1.4408
3	Ball	A 351 Gr. CF8M (DN 15 ~ 25 A 276/479 Tp.316)
4	Stem	A 276/479 Tp.316
5	Seat ring	Stansit
6	Lever	Nodular iron
7	Gland nut	AISI 303
8	Disk spring	E.N.P. Carbon steel
9	Stop plate	AISI 304
10	Gland	AISI 316
11	Gland packing	PTFE
12	Stem thrust seal	Stansit
13	Body connector seal	Stansit
14	Stop pin	Stainless steel
15	Bolt	DIN 912 A4-70
16	Bolt	DIN 933 A2
17	Washer	AISI 304
18	Thrust washer	PTFE + 25% glassfiber
19	Antistatic device	Stainless steel
41	Spacer	Stainless steel
46	Washer	AISI 304
55	Gasket	Stansit
55.1	Jacket body	AISI 316L
55.2	Jacket connector	AISI 316L
56	Sleeve	AISI 316
89	"O" Ring	Stainless steel

Subject to changes

FLANGED BALL VALVE
553 IIS - Dimensions



DIMENSIONS: (in mm)

DN	Ø P	L	L1	Ø A	Ø Q	Ø R	n x Ø S	X	Y	O / O'	N / N'	R	h	H	M	Kg
15	15	130	53	95	45	65	4x14	2	14	39,3 / 33,3	45	1/4"	46,0	111,0	166,0	3,2
25	25	160	52	115	68	85	4x14	2	16	41,3 / 36,3	55	1/4"	58,0	130,0	166,0	5,4
40	40	200	55	150	88	110	4x18	3	15	48 / 38,3	85 / 75	1/4"	76,0	148,0	213,8	10,0
50	50	230	61	165	102	125	4x18	3	17	49 / 40,3	90	1/4"	83,5	155,0	213,8	13,5
65	65	291	76	185	122	145	4x18	3	17	60 / 46	100	1/4"	97,0	169,0	347,5	17,0
80	80	310	82	200	138	160	8x18	3	17	64,5 / 50	105	1/4"	111,0	207,0	450,0	25,0
100	100	350	90	220	158	180	8x18	3	17	61 / 70	124	1/4"	133,0	232,0	465,0	38,0

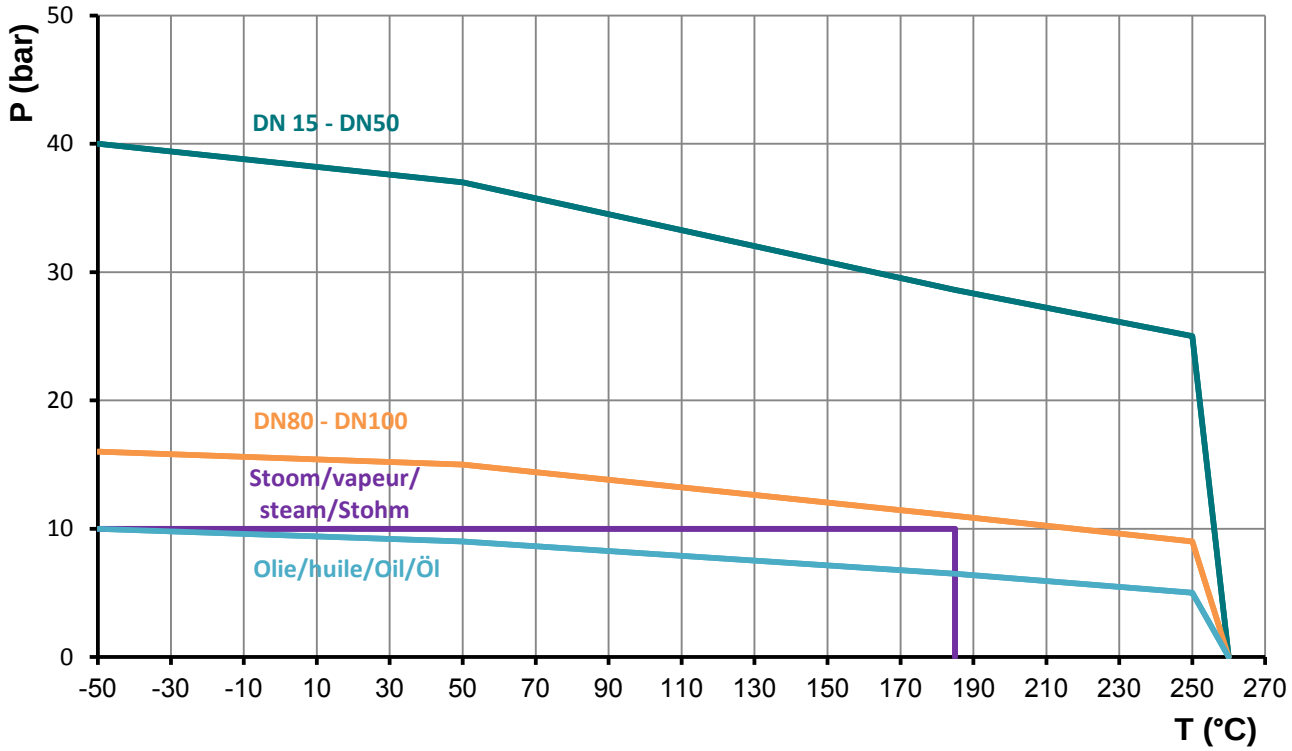
* DIN 2999

ACTUATOR CONNECTION: (in mm)

DN	ISO	Ø A	B	C	Ø D	n x F	M	I	J
15	F05	35	11,5	5,7	50	4x M6	1,5	M12x1.5	9
25	F05	35	24,0	10,2	50	4x M6	1,5	M12x1.5	9
40	F07	55	39,5	16,2	70	4x M8	3,0	M18x1.5	13
50	F07	55	41,5	18,2	70	4x M8	3,0	M18x1.5	13
65	F07	55	44,0	18,6	70	4x M8	3,0	M22x1.5	16
80	F10	70	44,5	18,7	102	4x M10	3,0	M25x1.5	18
100	F10	70	56,5	28,5	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	
25	20	
40	42	
50	67	
65	95	-
80	153	-
100	185	-

Kv VALUE: (in m³/h)

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

Subject to changes