

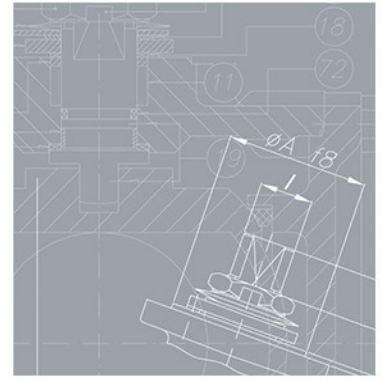
Technical Datasheet

DIN Ball Valves Seal+

516Q
540Q

JC
VALVES

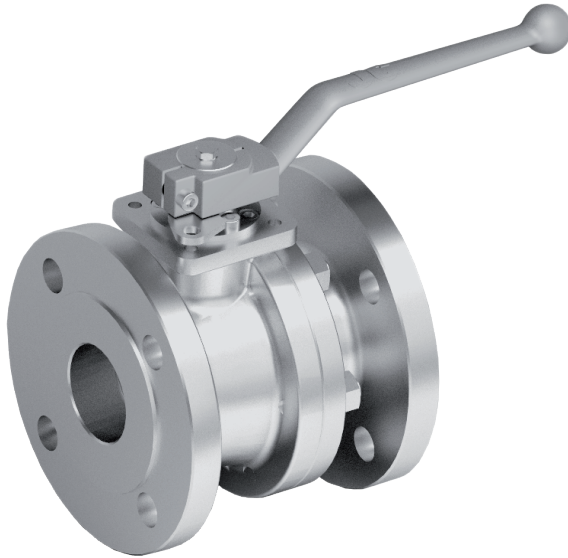
The quality option



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DIN Ball Valves F l o a t i n g



2014/68/EV



TA-LUFT



FUGITIVE
EMISSIONS
EN-ISO 15848-1
TALUFT / VDI 2440



II 2 G Dc
ATEX



- Valve design: Full Bore EN 1983
- Body design: EN 12516
- Shell thickness: EN ISO 17292
- Flanges: DIN 2501 / EN 1092-1
- Face to face dimensions: EN 558 Series 1
- Marking: EN 19 / CE - PED / MSS SP25
- Pressure testing: EN 12266
- Shell finishing quality: MSS SP 55
- ISO 5211
- PAS 1085
- Lockable

Certifications

Company Certifications

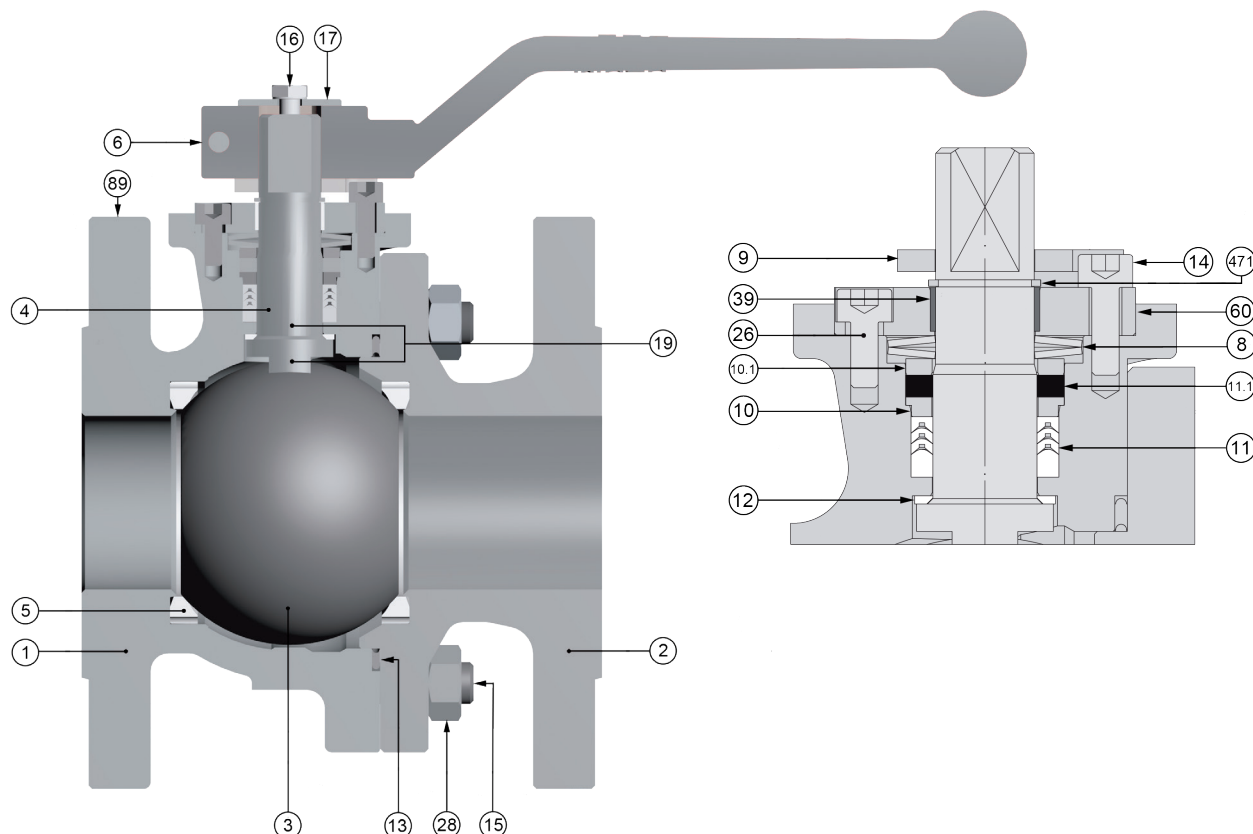
- ISO9001 Quality Management System
- ISO14001 Environmental Management System
- AD2000-Merkblatt W0/A4

Product Certificates

- Fire Safe, ISO 10497
- Fugitive Emissions ISO 15848 TA LUFT (VDI 2440) Class AH, CO1, SS1.
- PED 2014/68/EU - CE marking
- ATEX 2014/34/EU– (II2GD)
- Russian Federation Certificate TRCU 10, TRCU 12, TRCU 32
- Food processing and pharmaceutical industry FDA, USP CLASS VI COMPLIANCE (CE 1935/2004) - *Optional*
- Safety Integrity Level (SIL) LEVEL 3 IEC 61508
- Valves for gas distribution with maximum operating pressure 16 bar EN 13774 type approval.
- Tanks for the transport of dangerous goods-Tank equipment for the transport of liquid chemicals and liquefied gases - Product discharge and air inlet valves EN 14432
- German type test certificate A216-16

DIN Ball Valves

Floating

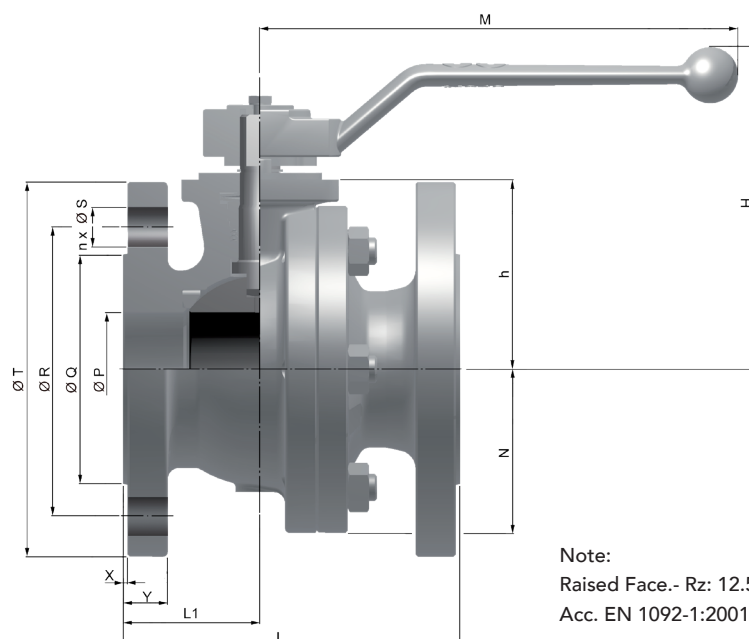


Other materials upon request

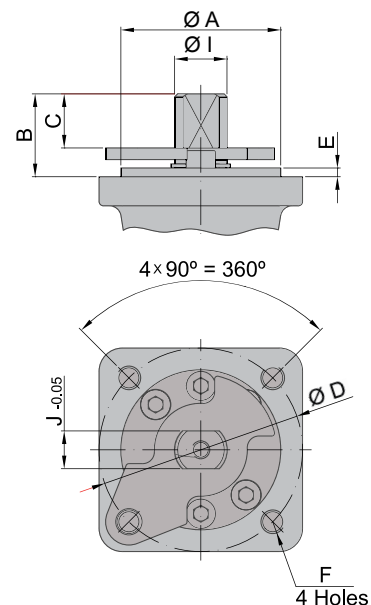
Item	Description	Material	
		A.I.T	I.I.T
1 / 2	Body / Body Connector	1.0619	1.4408
3	Ball	1.4408 / ASTM A351 Gr. CF8M (DN 15 : 25 ASTM A 479 Tp.316)	
4	Stem	1.4462	
5	Seat ring	TFM-1600	
6	Wrench	A 216 Gr. WCB	ASTM A351 Gr. CF8M
8	Disk spring	Inconel 750	
9	Stop plate	1.4462	
10	Gland	AISI 316	
10.1	Gland	AISI 316	
11	Gland packing	TFM-1600	
11.1	Gland packing	Graphite	
12	Stem thrust seal	TFM-1600	
13	Body connector seal	SPW AISI 316L + PTFE + Graphite	
14	Stop bolt	A4-70	
15	Bolt (DN 32 to DN 100 Stud)	8.8 Zinc Bichromated	A4-70
16	Bolt	DIN 933 A4-70	
17	Washer	AISI 316	
19	Antistatic device	Stainless St	
26	Bolt	DIN 912 A4-70	
28	Nut (DN 32 to DN 100)	DIN 934 .8 Zinc Bichromated	DIN 934 A4-70
39	Stem bushing (DN 25 to DN 200)	AISI 316 with PTFE	
60	Upper Flange	AISI 316	
89	Identification Plate	Stainless St.	
471	Retainer	Stainless St.	

DIN Ball Valves

F l o a t i n g



Note:
Raised Face.- Rz: 12.5 - 50
Acc. EN 1092-1:2001



* Weight in Kg * Dimensions in mm

Series 516Q (PN 16)

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	H	M	N	WEIGHT	Kv
65	65	170	75,5	122	145	4x18	185	3	18	97	153	348	---	16	550
80	80	180	82	138	160	8x18	200	3	20	111	191	445	---	22	1000
100	100	190	90,5	158	180	8x18	220	3	20	133	213	495	118	32	1650
125	125	325	120	188	210	8x18	250	3	22	156	244	698	138	52,5	3000
150	151	350	135	212	240	8x22	285	3	22	183	278	698	160	76	4200
200	203	400	200	268	295	12x22	340	3	24	233	332	868	208	111	9000

Series 540Q (PN 40)

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	H	M	N	WEIGHT	Kv
15	15	115	53	45	65	4x14	95	2	16	46	112	164	---	2,8	20
20	20	120	52	58	75	4x14	105	2	18	53	119	164	---	3,6	40
25	25	125	48,5	68	85	4x14	115	2	18	58	124	164	---	5	75
32	32	130	54	78	100	4x18	140	2	18	66,5	133	164	---	7	130
40	40	140	55	88	110	4x18	150	3	18	76	134	213	---	9	170
50	50	150	61	102	125	4x18	165	3	20	83,5	142	213	---	12	270
65	65	170	75,5	122	145	8x18	185	3	22	97	153	348	---	17	550
80	80	180	74,5	138	160	8x18	200	3	24	111	191	445	---	23	1000
100	100	190	91	162	190	8x22	235	3	24	133	213	495	118	35	1650
125	125	325	120	188	220	8x26	270	3	26	156	244	698	138	57	3000
150	151	350	135	218	250	8x26	300	3	28	183	278	698	160	83,5	4200

Actuator Connection

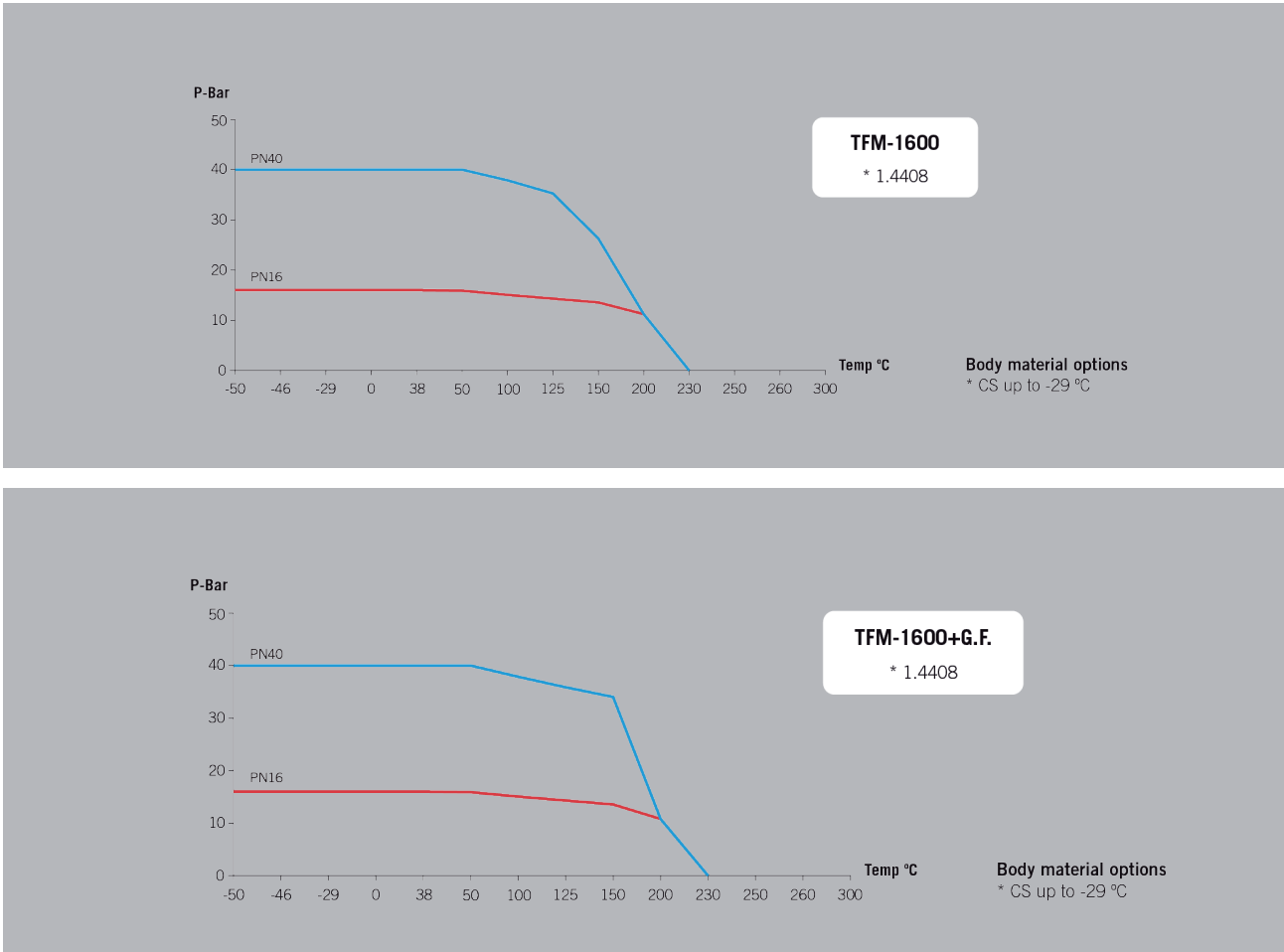
DN	ISO 5211	Ø A	B	C	Ø D	n x F	E	Ø I	J
15	F05	35	16,4	8,5	50	4x M6	3	10.5	9
20	F05	35	17,4	9,5	50	4x M6	3	11	9
25	F05	35	18,9	11	50	4x M6	3	11	9
32	F05	35	18,9	11	50	4x M6	3	11	9
40	F07	55	28,5	18,6	70	4x M8	3	18	13
50	F07	55	28,5	18,6	70	4x M8	3	18	13
65	F07	55	28,5	18,6	70	4x M8	3	20	16
80	F10	70	28,5	18,6	102	4x M10	3	24	18
100	F10	70	37,5	27,6	102	4x M10	3	24	20
125	F12	85	35	27,6	125	4x M12	3	33	25
150	F12	85	47,5	37	125	4x M12	3	38	29
200	F14	100	52	38	140	4x M16	4	42	32

DIN Ball Valves

F l o a t i n g

Differential Pressure 16 bar								Differential Pressure 40 bar							
DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST	DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	-	-	-	-	-	-	-	15	11	6	7	8	6	9	50
20	-	-	-	-	-	-	-	20	14	7	8	11	7	11	54
25	-	-	-	-	-	-	-	25	20	10	12	15	10	16	54
32	-	-	-	-	-	-	-	32	25	13	15	19	13	20	54
40	-	-	-	-	-	-	-	40	33	17	20	25	17	26	213
50	-	-	-	-	-	-	-	50	46	23	28	35	23	37	213
65	61	31	37	46	31	49	331	65	66	33	40	50	33	53	331
80	97	49	58	73	49	78	504	80	116	58	70	87	58	93	504
100	133	67	80	100	67	106	603	100	171	86	103	128	86	137	603
125	226	113	136	170	113	181	1395	125	283	142	170	212	142	226	1395
150	320	160	192	240	160	256	2221	150	463	232	278	347	232	370	2221
200	694	347	416	521	347	555	3034	-	-	-	-	-	-	-	-

Pressure – Temperature Charts



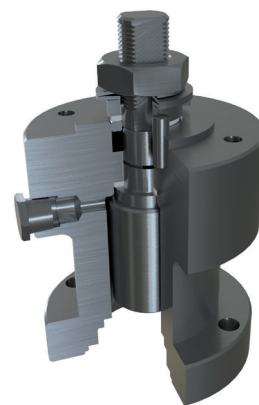
DIN Ball Valves Flowing



Simple Stem Extension



Stem Extension



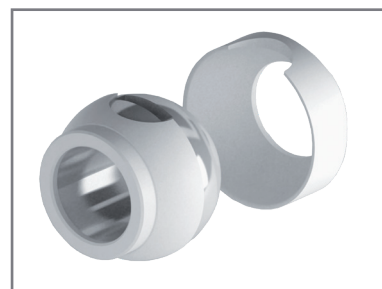
Double Packing Stem Extension



Cavity Relief Seat



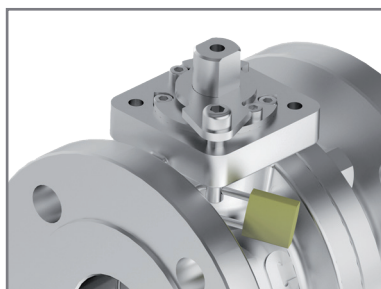
Other Seat materials



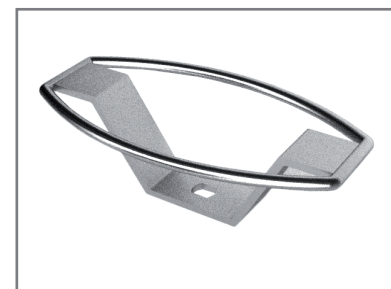
Cavity Filler Seat



Stainless Steel Lever



Padlock



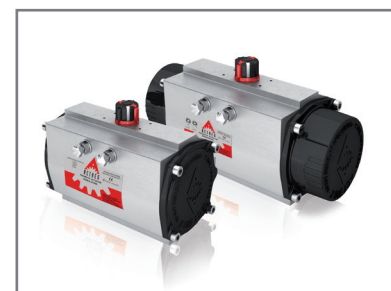
Oval Handwheel
Available from 1/2" to 2"



Manual and Declutchable
Gears



Degreased FDA



Valve Automation option
available on Request

Other Features:

- Metal Seated
- No Fire Safe
- Long Pattern acc. EN 558 Serie 1