

Technical Datasheet

DIN Ball Valves

3516
3540

JC
VALVES

The quality option





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



- Valve design: Full Bore EN 1983 / EN ISO 17292
- Body design: EN 12516
- Shell thickness: EN ISO 17292
- Flanges: DIN 2501 / EN 1092-1
- Face to face dimensions: EN 558 Series 27
- Marking: EN 19 / CE - PED / MSS SP-25
- Pressure testing: EN 12266
- Shell finishing quality: MSS SP-55
- ISO 5211
- PAS 1085

Certifications

Company Certifications

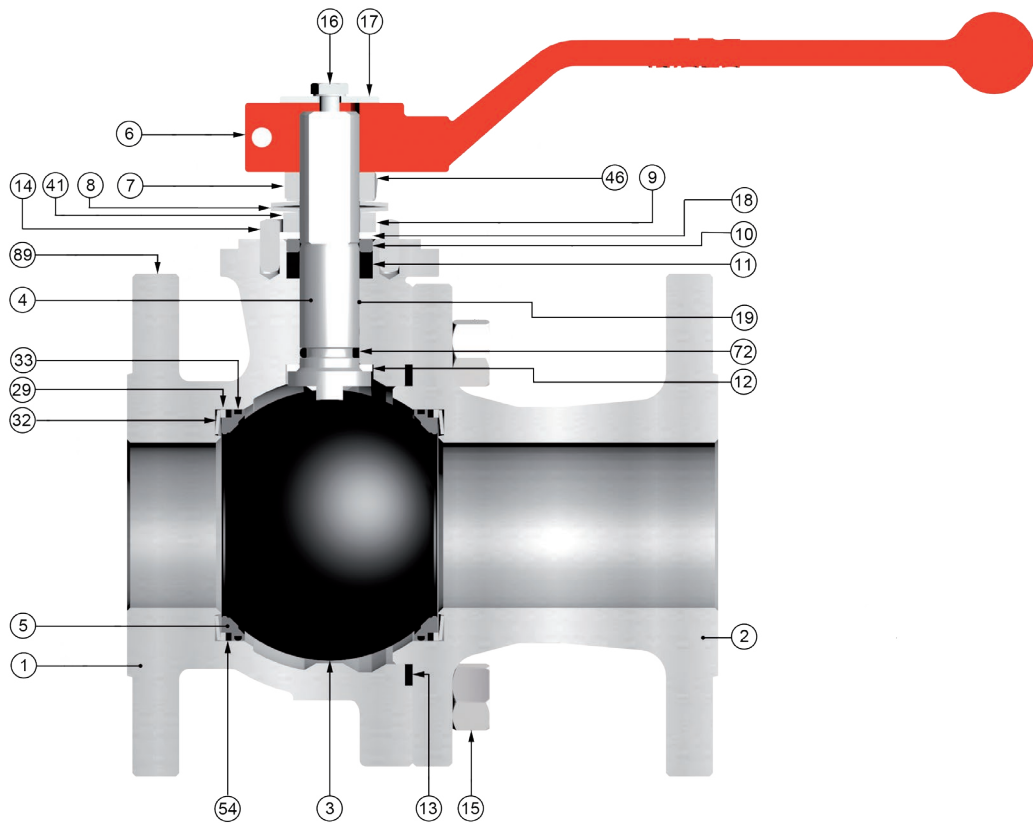
- ISO9001 Quality Management System
- ISO14001 Environmental Management System
- AD2000-Merkblatt W0/A4

Product Certificates

- Fugitive Emissions TA-Luft / ISO 15848-1
- 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

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F l o a t i n g



Other materials upon request

Item	Description	Material	
		A.I.M	I.I.M
1 / 2	Body / Body Connector	1.0619	1.4408
3	Ball	ASTM A 351 Gr. CF8M (DN 15 to 50 A182 Gr. F316) + TCC	
4	Stem	17.4PH	
5	Seat ring	ASTM A479 Tp.316 + TCC	
6	Wrench	ASTM A216 Gr. WCB	
7	Gland nut	ASTM A276 Tp.316	
8	Disk spring	ASTM A666 Tp.301	
9	Stop plate	1.4462	
10	Gland	ASTM A479 Tp.316	
11	Gland packing	Graphite	
12	Stem thrust seal	ASTM A276 Tp.316 + HT-65	
13	Body connector seal	SPW ASTM A276 Tp.316L + Graphite	
14	Stop pin	A4-70	
15	Bolt (DN 32 to DN 100 Stud)	DIN 933 8.8 Zinc Bichromated	DIN 933 A4-70
16	Bolt	DIN 933 A4-70	
17	Washer	ASTM A276 Tp.316	
18	Thrust washer	ASTM A276 Tp.316 + HT-65	
19	Antistatic device	Stainless St.	
28	Nut (DN 32 to DN 100)	DIN 934 .8 Zinc Bichromated	DIN 934 A4-70

Item	Description	Material	
		A.I.M	I.I.M
29	Washer	ASTM A276 Tp.316 + HT-65	
32	Seat Disk Spring	INCONEL 718	
33	Seat Seal	AFLAS	
41	Spacer (DN 32 to 200)	ASTM A276 Tp.316	
46	Locking Washer	ASTM A276 Tp.316	
54	Seat Seal	Graphite	
72	O-ring	AFLAS	
89	Identification Plate	ASTM A276 Tp.316	

OPTIONS

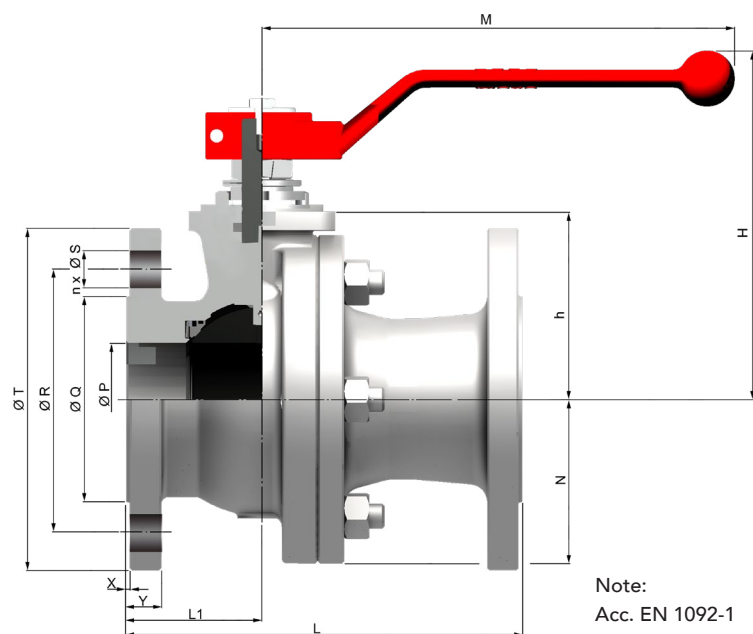
#3-Ball: Slurry

#4-Stem: Nitronic 50

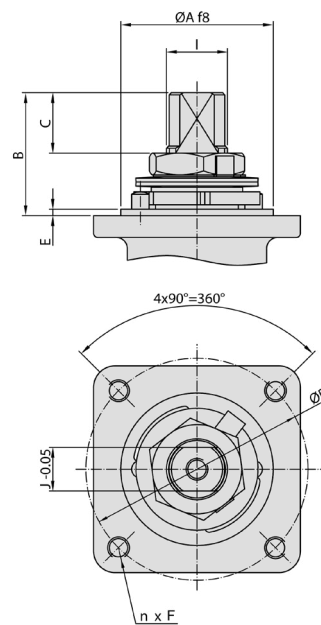
#5-Seat Ring: Paper & Pulp

#33-Seat Seal & #72-Stem O-ring: Kalrez (4079, 6375, 7075)

Maximum Temperature for Kalrez 7075: 327°C (620°F)

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Note:
Acc. EN 1092-1



Series 3516 (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	8x18	185	3	18	97	169	348	---	16	550
80	80	180	82	138	160	8x18	200	3	20	111	207	445	---	22	1000
100	100	190	90,5	158	180	8x18	220	3	20	133	232	495	118	32	1650
125	125	325	120	188	210	8x18	250	3	22	156	265	698	138	52,5	3000
150	151	350	135	212	240	8x22	285	3	22	183	298	698	160	76	4200
200	203	400	200	268	295	12x22	340	3	24	233	353	868	208	111	9000

Series 3540 (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	111	164	---	2,8	20
20	20	120	52	58	75	4x14	105	2	18	53	118	164	---	3,6	40
25	25	125	48,5	68	85	4x14	115	2	18	58	130	164	---	5	75
32	32	130	54	78	100	4x18	140	2	18	66,5	131	210	---	7	130
40	40	140	55	88	110	4x18	150	3	18	76	148	213	---	9	170
50	50	150	61	102	125	4x18	165	3	20	83,5	155	213	---	12	270
65	65	170	75,5	122	145	8x18	185	3	22	97	169	348	---	17	550
80	80	180	74,5	138	160	8x18	200	3	24	111	207	445	---	23	1000
100	100	190	91	162	190	8x22	235	3	24	133	232	495	118	35	1650
125	125	325	120	188	220	8x26	270	3	26	156	265	698	138	57	3000
150	151	350	135	218	250	8x26	300	3	28	183	298	698	160	83,5	4200

Actuator Connection

DN	ISO 5211	ØA	B	C	ØD	n x F	E	I	J
15	F05	35	11,2	5	50	4x M6	1,5	M12x1.5	9
20	F05	35	14,7	8,5	50	4x M6	1,5	M12x1.5	9
25	F05	35	22,7	9,5	50	4x M6	1,5	M12x1.5	9
32	F05	35	32	13	50	4x M6	1,5	M16x1.5	12
40	F07	55	41,5	18,3	70	4x M8	3	M18x1.5	13
50	F07	55	41,5	18,3	70	4x M8	3	M18x1.5	13
65	F07	55	44	18,6	70	4x M8	3	M22x1.5	16
80	F10	70	44,5	18,6	102	4x M10	3	M25x1.5	18
100	F10	70	56,5	27,8	102	4x M10	3	M28x1.5	20
125	F12	85	56	24,8	125	4x M12	3	M35x2	25
150	F12	85	68	37,1	125	4x M12	3	M40x2	29
200	F14	100	72	36,5	140	4x M16	4	M45x2	32

DIN Ball Valves

Differential Pressure 16 bar

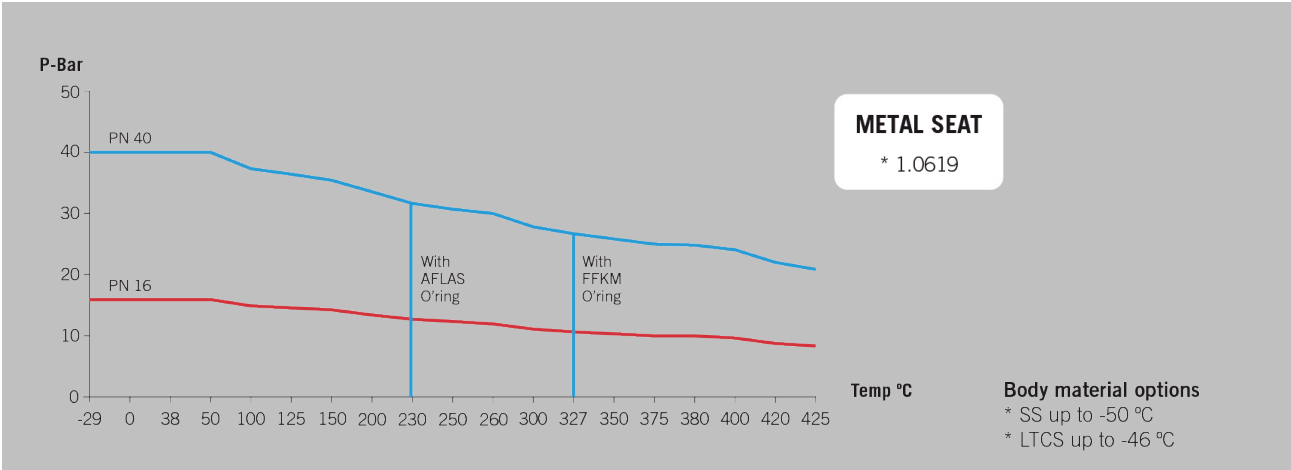
DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-
65	95	48	57	71	48	76	623
80	234	117	140	176	117	187	871
100	330	165	198	248	165	264	1.079
125	595	298	357	446	298	476	2.148
150	820	410	492	615	410	656	3.445
200 *	1200	600	720	900	600	960	4.904

Differential Pressure 40 bar

DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	21	11	13	16	11	17	92
20	27	14	16	20	14	22	92
25	29	15	17	22	15	23	92
32***	50	25	30	38	25	40	245
40***	65	33	39	49	33	52	299
50***	86	43	52	65	43	69	299
65***	95	48	57	71	48	76	623
80**	234	117	140	176	117	187	871
100**	330	165	198	248	165	264	1.079
125**	595	298	357	446	298	476	2.148
150**	820	410	492	615	410	656	3.445
-	-	-	-	-	-	-	-

* Limit to 10 bar
** Limit to 16 bar
*** Limit to 21 bar

Pressure – Temperature Charts





Simple Stem Extension



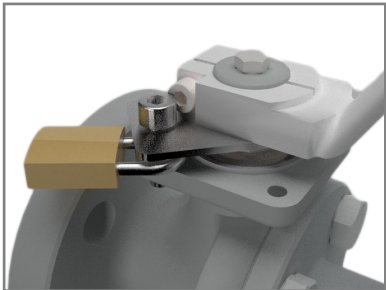
Standard Stem Extension



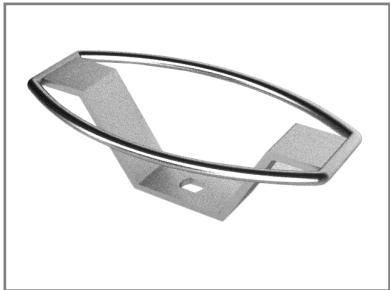
Double Packing Stem Extension



Stainless Steel Lever



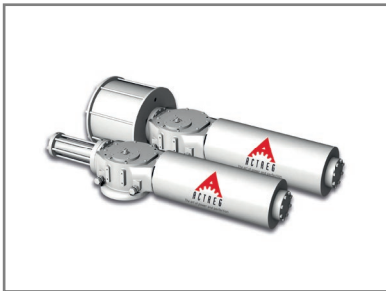
Locking Device



Oval Handwheel
Available from 1/2" to 2"



Manual and Declutchable
Gears



Pneumatic or Hydraulic
Scotch Yoke Actuators



Valve Automation option
available on Request