

Technical Datasheet

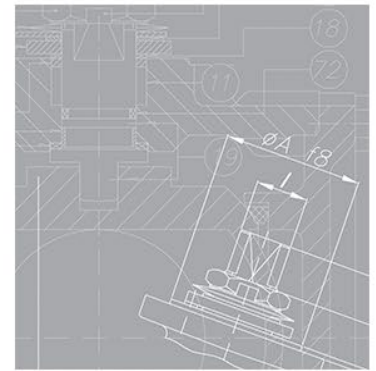
ANSI Ball Valves

3515

3530

JC
VALVES

The quality option



sales@jc-valves.com

www.jc-valves.com



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



- Valve design: Full Bore API 6D / API 608 / EN ISO 17292
- Body design: ASME VIII Div.1
- Shell thickness: ASME B16.34
- Flanges: ASME B16.5 Raised Face
- NACE MR0175 / ISO 15156 - NACE MR0103 / ISO 17945
- Face to face dimensions: ASME B16.10 Long Pattern
- Marking: API 6D / CE - PED / MSS SP25
- Pressure testing: API 598 - API 6D
- Shell finishing quality: MSS SP 55
- ISO 5211

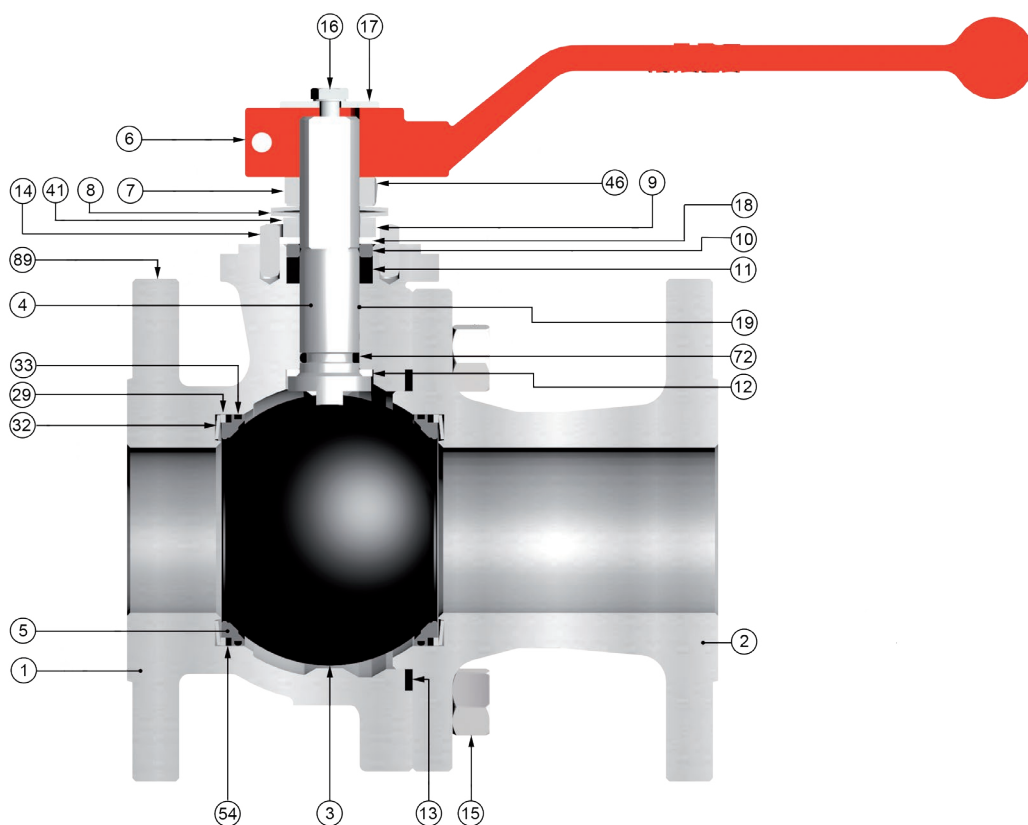
Certifications

Company Certifications

- ISO9001 Quality Management System
- ISO14001 Environmental Management System
- API Monogram License 6D-0197, 600-0016

Product Certificates

- Fugitive Emissions TA-Luft / ISO 15848-1
- Fugitive Emissions API 641
- 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
- CRN (Canadian Registration Number)

ANSI Ball Valves
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	ASTM A216 Gr. WCB (C ≤ 0,25%)	ASTM A351 Gr. CF8M
3	Ball	ASTM A351 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 40 to DN 100 Stud)	ASTM A193 Gr. B7M Zinc Bichromated	ASTM A193 Gr. B8M
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 40 to DN 100)	ASTM A194 Gr. 2HM Zinc Bichromated	ASTM A194 Gr. 8M

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 40 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

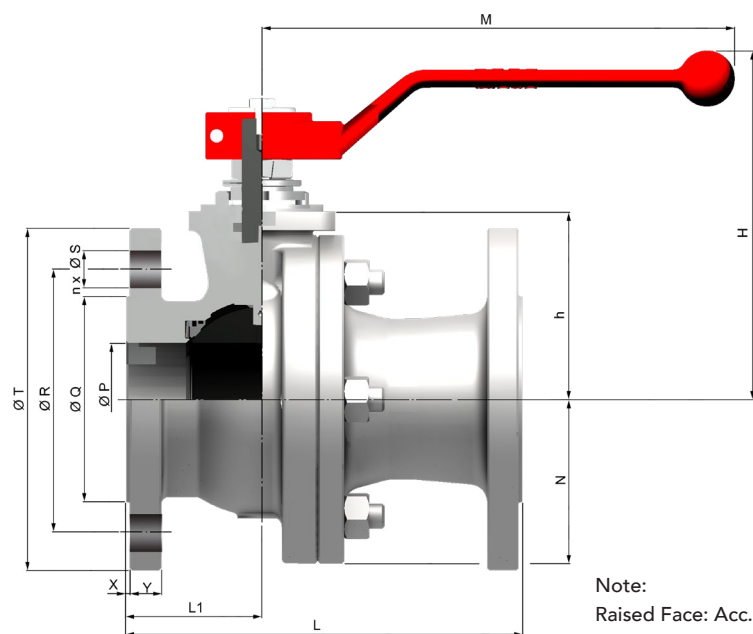
#5-Seat Ring: Paper & Pulp

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

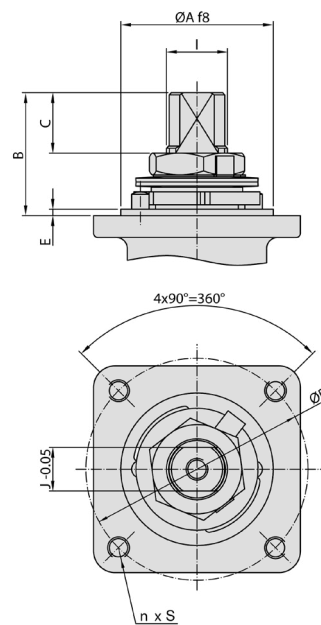
Maximum Temperature for Kalrez 7075: 327°C (620°F)

ANSI Ball Valves

F l o a t i n g



Note:
Raised Face: Acc. MSS SP-6
Acc. ASME B16.5



* Weight in Kg * Dimensions in mm

Series 3515 (Class 150)

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	H	M	N	WEIGHT	Kv
15 (1/2")	15	108	47	35,1	60,5	4x15,9	89	1,5	7,9	46	111	164	---	2	20
20 (3/4")	20	117	50	42,9	69,8	4x15,9	99	1,5	8,6	53	118	164	---	3	40
25 (1")	25	127	52	50,8	79,2	4x15,9	108	1,5	9,7	58	130	164	---	3,5	75
40 (1 1/2")	40	165	65	73,0	98,6	4x15,9	127	1,5	12,7	76	148	213	---	8	170
50 (2")	50	178	61	91,9	120,6	4x19,1	152	1,5	14,2	83,5	155	213	---	11	270
65 (2 1/2")	65	190	75	104,6	139,7	4x19,1	178	1,5	15,7	97	169	348	---	16	550
80 (3")	80	203	78,5	127,0	152,4	4x19,1	190	1,5	17,5	111	207	445	---	23	1000
100 (4")	100	229	90	157,2	190,5	8x19,1	229	1,5	22,4	133	232	495	120	38	1650
150 (6")	151	394	174	215,9	241,3	8x22,2	279	1,5	23,9	183	298	698	168	88	4200
200 (8")	203	457	200	269,7	298,4	8x22,2	343	1,5	26,9	233	353	868	208	155	9000

Series 3530 (Class 300)

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	H	M	N	WEIGHT	Kv
15 (1/2")	15	140	60	35,1	66,5	4x15,9	95	1,5	12,7	46	111	164	---	3	20
20 (3/4")	20	152	65	42,9	82,6	4x19,1	117	1,5	14,2	53	118	164	---	4	40
25 (1")	25	165	70	50,8	88,9	4x19,1	124	1,5	15,7	58	130	164	---	5	75
40 (1 1/2")	40	190	80	73,0	114,3	4x22,2	155	1,5	19,0	76	148	213	---	11	170
50 (2")	50	216	83	91,9	127,0	8x19,1	165	1,5	20,6	83,5	155	213	---	14	270
80 (3")	80	282	118	127,0	168,1	8x22,2	210	1,5	26,9	111	207	445	---	32	1000
100 (4")	100	305	133	157,2	200,2	8x22,2	254	1,5	30,2	133	232	495	---	52	1650
150 (6")	151	403	160	215,9	269,7	12x22,2	318	1,5	35,1	183	298	698	168	94	4200

Actuator Connection

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

Differential Pressure 150 Lbs

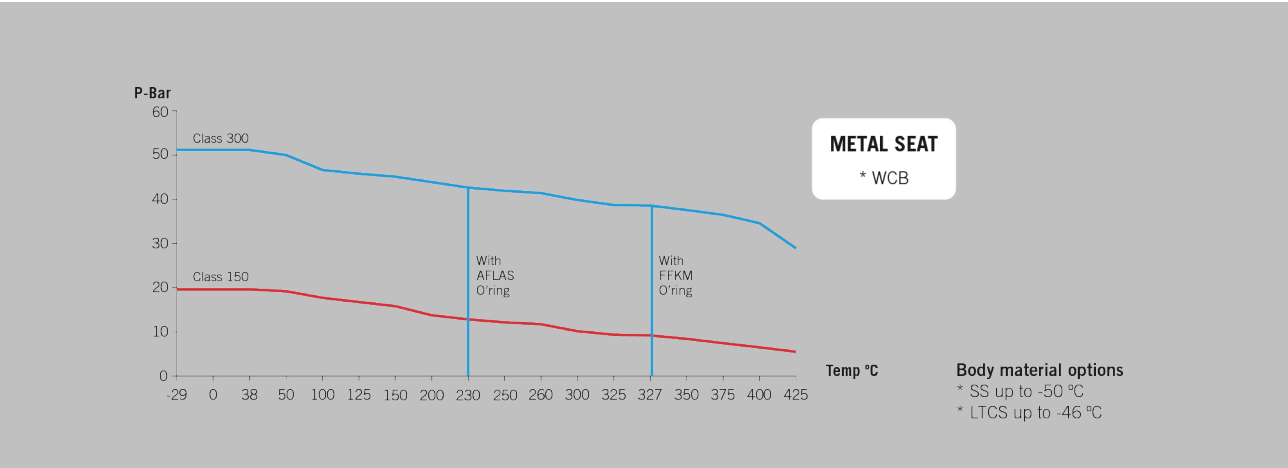
DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	20	10	12	15	10	16	92
20	26	13	16	20	13	21	92
25	27	14	16	20	14	22	92
40	70	35	42	53	35	56	299
50	88	44	53	66	44	70	299
65	110	55	66	83	55	88	623
80**	234	117	140	176	117	187	871
100**	330	165	198	248	165	264	1.079
150**	820	410	492	615	410	656	3.445
200*	1200	600	720	900	600	960	4.904

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

Differential Pressure 300 Lbs

DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	22	11	13	17	11	18	92
20	29	15	17	22	15	23	92
25	35	18	21	26	18	28	92
40***	70	35	42	53	35	56	299
50***	88	44	53	66	44	70	299
65***	--	--	--	--	--	--	--
80**	234	117	140	176	117	187	871
100**	330	165	198	248	165	264	1.079
150**	820	410	492	615	410	656	3.445
--	--	--	--	--	--	--	-

Pressure – Temperature Charts

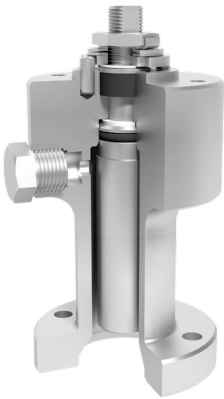




Simple Stem Extension



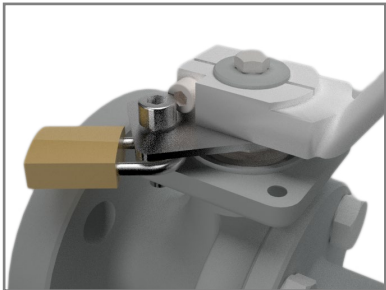
Stem Extension



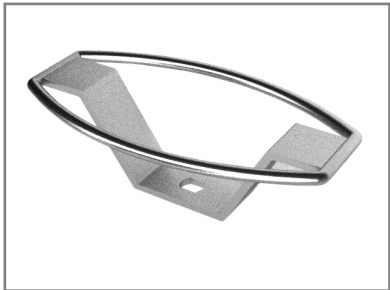
Double Packing Stem Extension



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