Technical Datasheet

ANSI Ball Valves

515B
530B

JC VALVES

The quality option



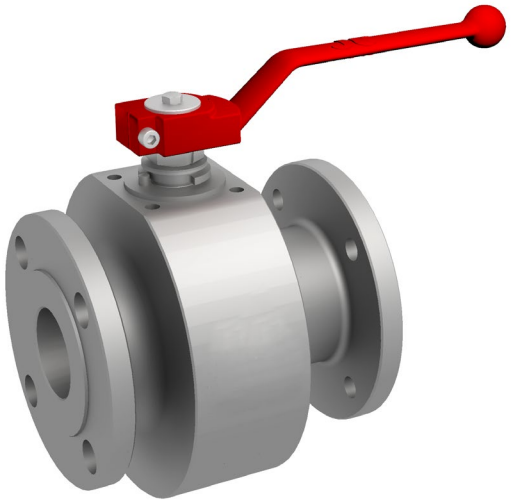


sales@jc-valves.com
www.jc-valves.com

Fig. 515B/530B

General Characteristics

ANSI Ball Valves
Floating



2014/68/EU

SIL IEC 61508

II 2 G D

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

TA-LUFT

6D-0197
600-0016

- Valve design: Full Bore API 6D / API 608 / EN ISO17292
- Body design: ASME VIII Div.1
- Shell thickness: ASME B16.34
- Flanges: ASME B16.5 Raised Face
- Face to face dimensions: ASME B16.10 Long Pattern
- Marking: CE - PED / MSS SP-25 / API 6D
- Pressure testing: API 598 - API 6D
- ISO 5211
- NACE MR0175 / ISO 15156 - NACE MR0103 / ISO 17945

Certifications

Company Certifications

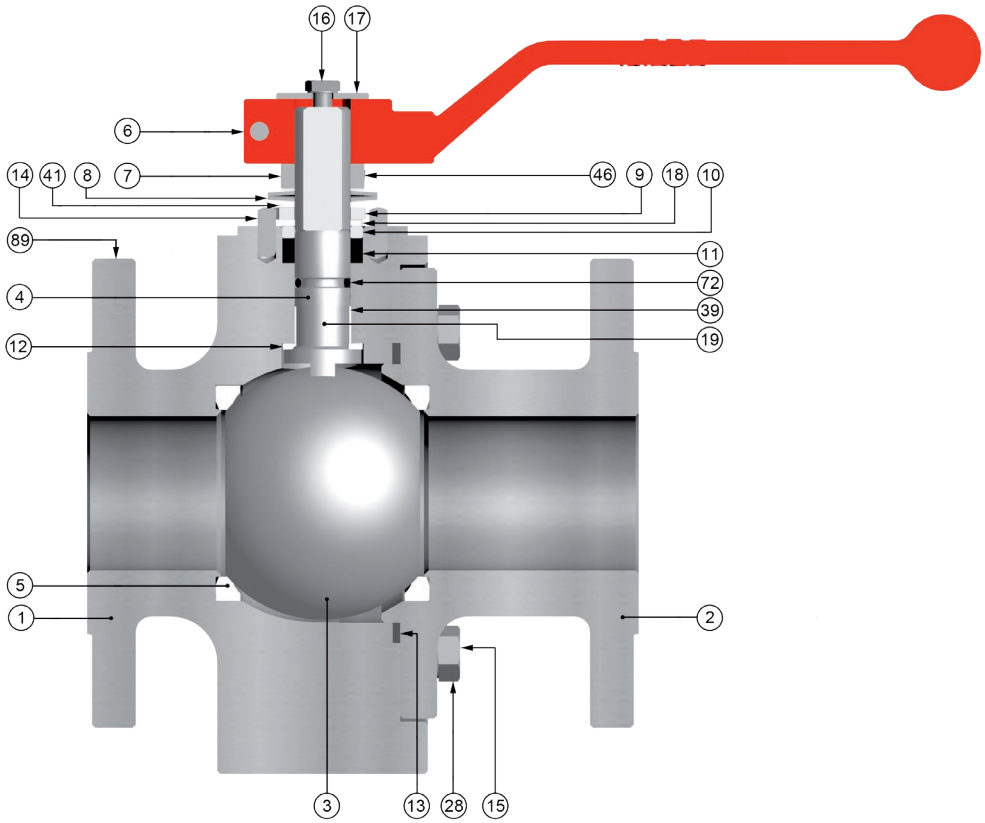
- ISO9001 Quality Management System
- ISO14001 Environmental Management System
- API Monogram License 6D-0197, 600-0016

Product Certificates

- Fire Safe API 607, ISO 10497, API 6FA
- 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)
- 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
- AGA 8328 G – AS4617 2004 amd 1 - AGA marking (Australian Gas Association)
- CSA 3.16 – 2015 CSA marking (Canadian Standard Association)

Fig. 515B/530B

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Floating



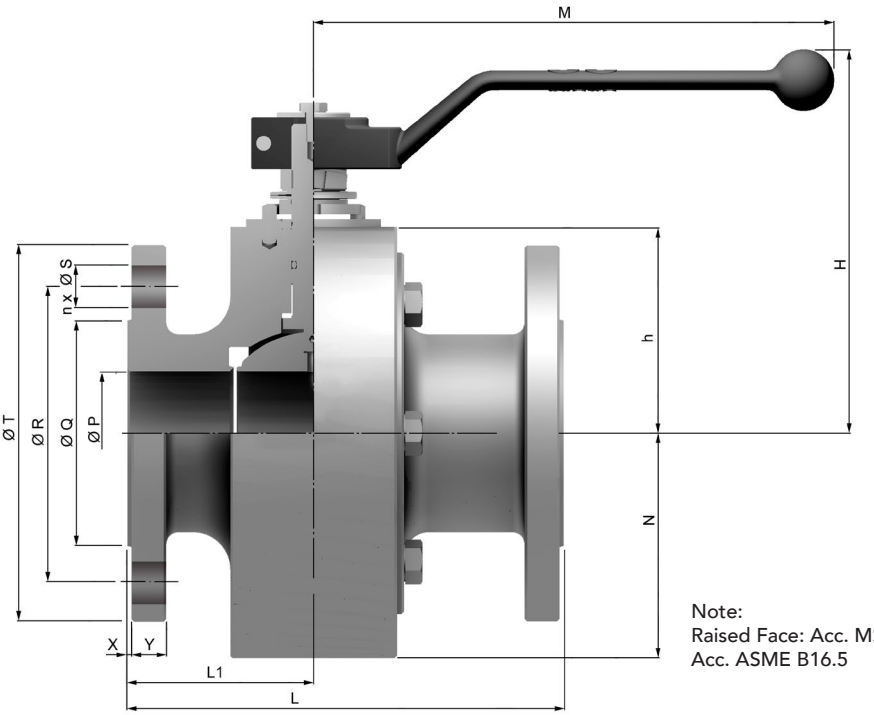
Other materials upon request

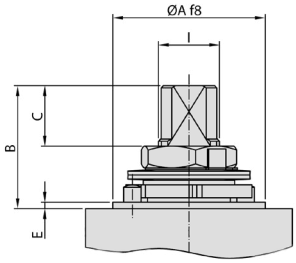
Item	Description	Material		
		A.I.T	I.I.T	L.I.T.
1 / 2	Body / Body Connector	ASTM A105N	ASTM A182 F316/F316L	ASTM A 350 LF2
3	Ball	ASTM A351 Gr. CF8M (DN 15 to 50 A182 Gr. F316)		
4	Stem	ASTM A182 F51		
5	Seat ring	PTFE		
6	Wrench	ASTM A216 Gr. WCB		
7	Gland nut	ASTM A276 Tp.316		
8	Disk spring	ASTM A666 TP.301		
9	Stop plate	ASTM A240 UNS S31803 (F51)		
10	Gland	ASTM A479 Tp.316		
11	Gland packing	Graphite		
12	Stem thrust seal	25% G.F. PTFE		
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	ASTM A194 Gr. 7M Zinc Bichromated
16	Bolt	DIN 933 A4-70		
17	Washer	ASTM A276 Tp.316		
18	Thrust washer	25% G.F. PTFE		
19	Antistatic device	Stainless St.		
28	Nut (DN 15)	ASTM A194 Gr. 2HM Zinc Bichromated	ASTM A194 Gr. 8M	ASTM A194 Gr. 7M Zinc Bichromated
39	Stem bushing (DN 40 to DN 100)	25% G.F. PTFE		
41	Spacer (DN 40 to 200)	ASTM A276 Tp.316		
46	Washer	ASTM A276 Tp.316		
72	O-Ring	FKM		
89	Identification Plate	ASTM A276 Tp.316		

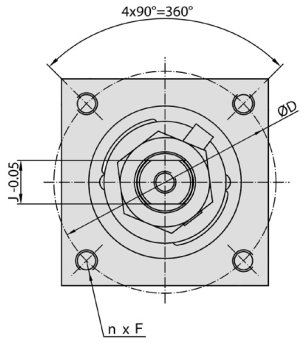
Fig. 515B/530B

Dimensions

ANSI Ball Valves
Floating







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

* Weight in Kg * Dimensions in mm

Series 515B (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	49	35,1	60,5	4x15,9	89	1,5	7,9	46	111	164	52,5	4,2	20
20 (3/4")	20	117	52	42,9	69,8	4x15,9	99	1,5	8,6	53	118	164	58,8	5,5	40
25 (1")	25	127	58	50,8	79,2	4x15,9	108	1,5	9,7	58	130	164	62,5	6,5	75
40 (1 1/2")	40	165	75	73,0	98,6	4x15,9	127	1,5	12,7	76	148	213	83,5	15,2	170
50 (2")	50	178	76	91,9	120,6	4x19,1	152	1,5	14,2	83,5	155	213	91	19,3	270
65 (2 1/2")	65	190	75	104,6	139,7	4x19,1	178	1,5	15,7	97	169	348	104	27,7	550
80 (3")	80	203	93,5	127,0	152,4	4x19,1	190	1,5	17,5	111	207	445	121	41,7	1000
100 (4")	100	229	97,5	157,2	190,5	8x19,1	229	1,5	22,4	133	232	495	141,5	61,1	1650
150 (6")	151	394	174	215,9	241,3	8x22,2	279	1,5	23,9	183	298	698	192,5	151,6	4200
200 (8")	203	457	200	269,7	298,4	8x22,2	343	1,5	26,9	233	353	868	208	255,6	9000

Series 530B (Class 300)

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	H	M	N	WEIGHT	Kv
15 (½")	15	140	64	35,1	66,5	4x15,9	95	1,5	12,7	46	111	164	52,5	5	20
20 (¾")	20	152	65	42,9	82,6	4x19,1	117	1,5	14,2	53	118	164	58,8	7,3	40
25 (1")	25	165	69	50,8	88,9	4x19,1	124	1,5	15,7	58	130	164	62	8,7	75
40 (1½")	40	190	80	73,0	114,3	4x22,2	155	1,5	19,0	76	148	213	84	18,3	170
50 (2")	50	216	83	91,9	127,0	8x19,1	165	1,5	20,6	83,5	155	213	91	23	270
80 (3")	80	282	118	127,0	168,1	8x22,2	210	1,5	26,9	111	207	445	121	51,6	1000
100 (4")	100	305	133	157,2	200,2	8x22,2	254	1,5	30,2	133	232	495	141,5	81,9	1650
150 (6")	151	403	160	215,9	269,7	12x22,2	318	1,5	35,1	183	298	698	192,5	170,4	4200

Actuator Connection

DN	ISO 5211	ØA	B	C	ØD	n x F	E	I	J
15 (½")	F05	35	11,2	5	50	4x M6	1,5	M12x1.5	9
20 (¾")	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 (1½")	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 (2½")	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

Fig. 515B/530B

Torque Values in Nm

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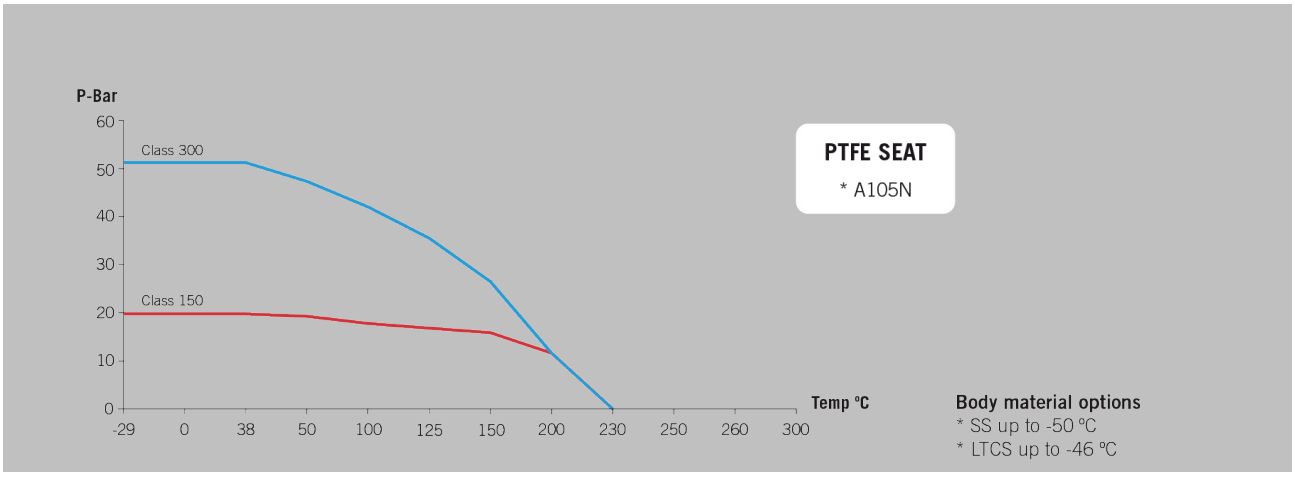
Differential Pressure 150 Lbs

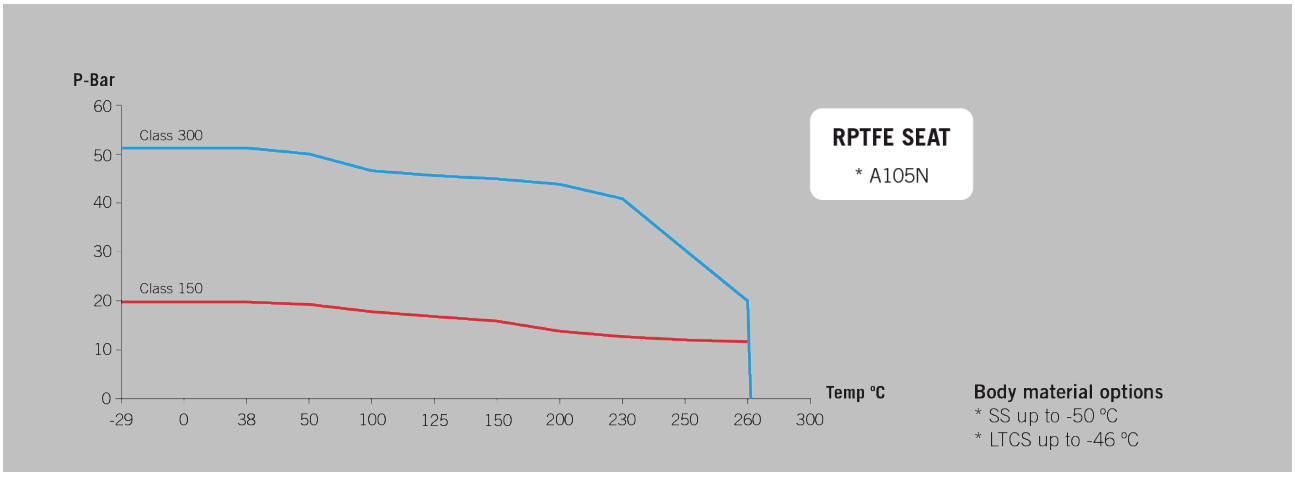
DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	9	5	5	7	5	7	57
20	13	7	8	10	7	10	57
25	17	9	10	13	9	14	57
40	30	15	18	23	15	24	185
50	43	22	26	32	22	34	185
65	66	33	40	50	33	53	386
80	102	51	61	77	51	82	539
100	150	75	90	113	75	120	668
150	326	163	196	245	163	261	2131
200	729	365	437	547	365	583	3034

Differential Pressure 300 Lbs

DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	12	6	7	9	6	10	57
20	16	8	10	12	8	13	57
25	20	10	12	15	10	16	57
40	37	19	22	28	19	30	185
50	55	28	33	41	28	44	185
-	-	-	-	-	-	-	-
80	128	64	77	96	64	102	539
100	238	119	143	179	119	190	668
150	492	246	295	369	246	394	2131
-	-	-	-	-	-	-	-

Pressure – Temperature Charts





ANSI Ball Valves
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Simple Stem Extension



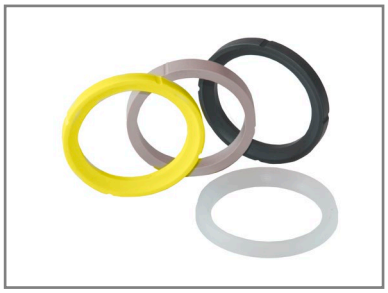
Standard Stem Extension



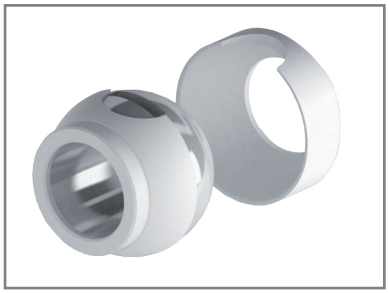
Double Packing Stem Extension



Cavity Relief Seat



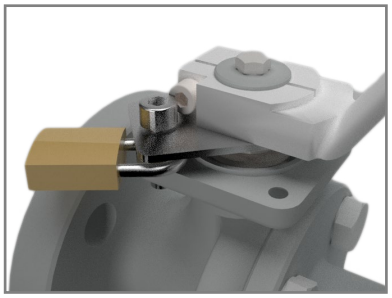
Other Seat materials



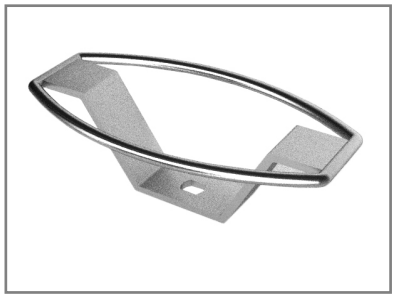
Cavity Filler Seat



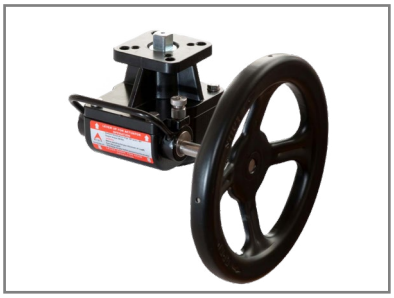
Stainless Steel Lever



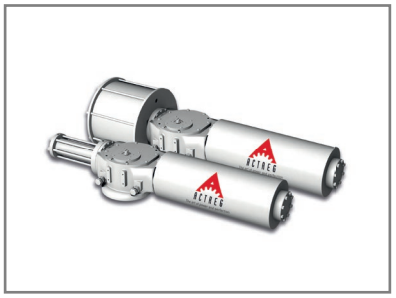
Locking Device



Oval Handwheel
Available from 1/2” to 2”



Manual and Declutchable Gears



Pneumatic or Hydraulic Scotch Yoke Actuators



Valve Automation option available on Request