Technical Datasheet

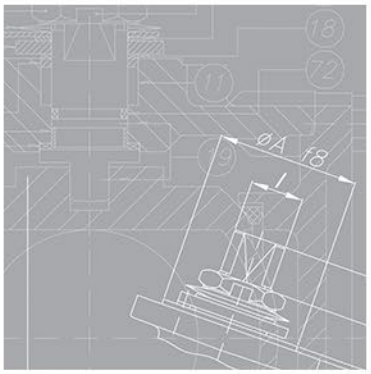
ANSI Ball Valves

715B
730B

JC VALVES

The quality option



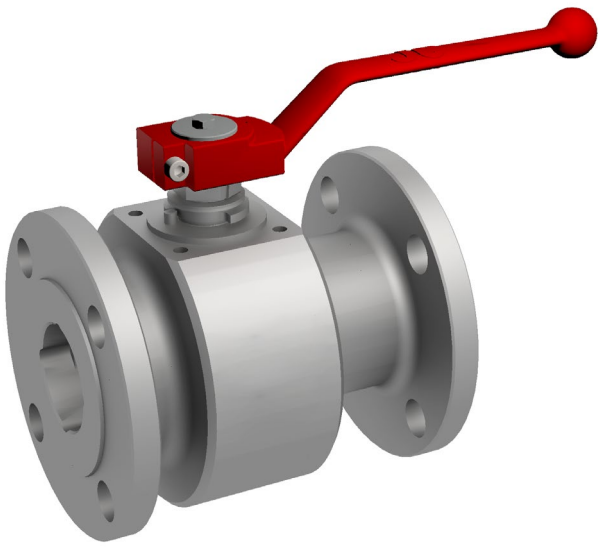


sales@jc-valves.com
www.jc-valves.com

Fig. 715B/730B

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: Reduced Bore API 6D / EN ISO 17292
- Body design: ASME VIII Div.1
- Shell thickness: ASME B16.34
- Flanges: ASME B16.5 Raised Face
- Face to face dimensions: ASME B16.10 Short 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

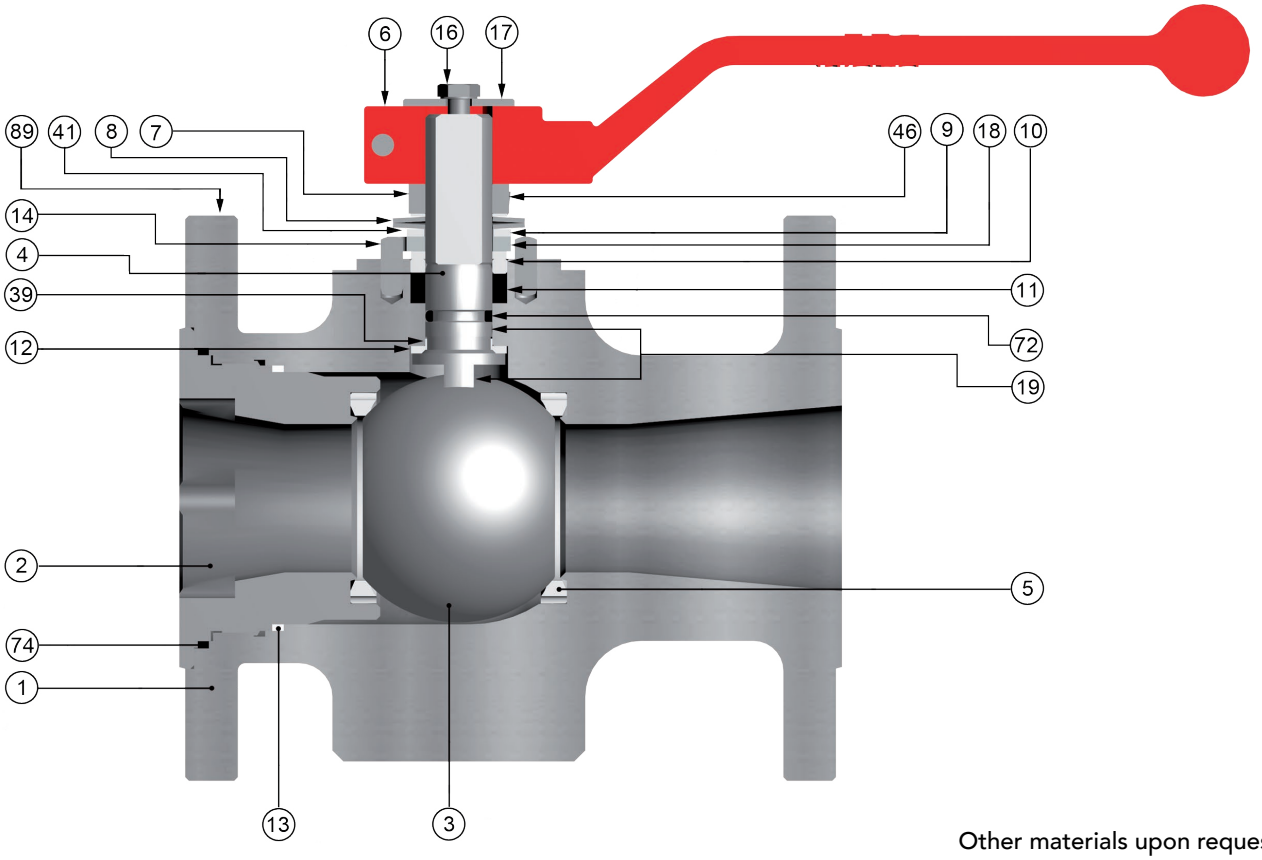
Product Certificates

- Fire Safe API 607, ISO 10497, API 6FA
- 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
- AGA 8328 G – AS4617 2004 amd 1 - AGA marking (Australian Gas Association)
- Fugitive Emissions TA-Luft / ISO 15848-1

Fig. 715B/730B

Parts and Materials

ANSI Ball Valves
Floating



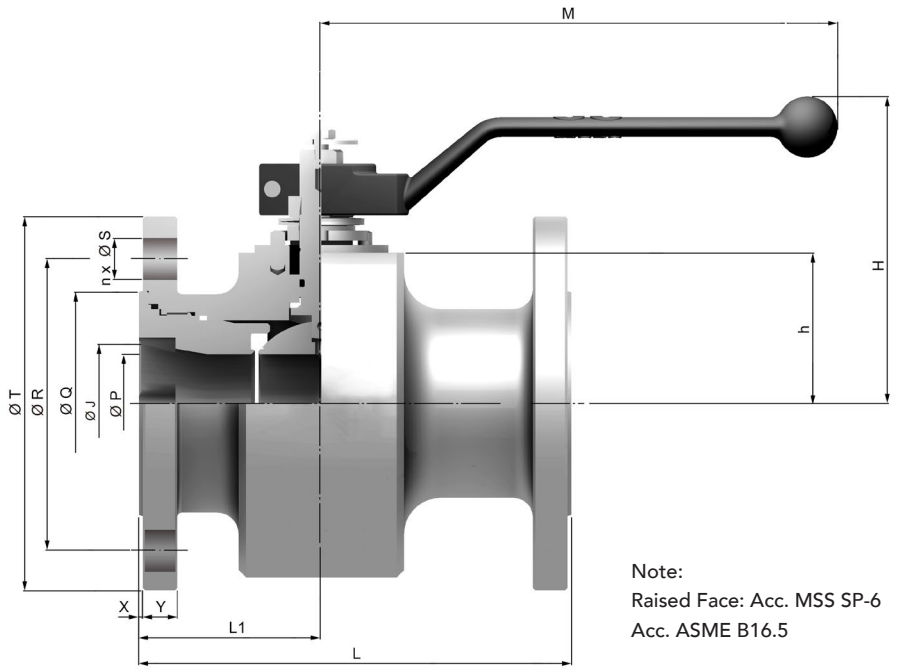
Other materials upon request

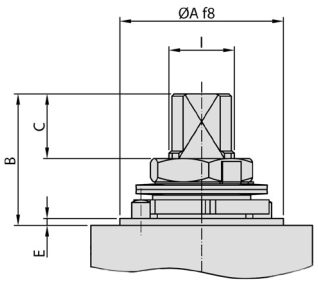
Item	Description	Material		
		A.I.T	I.I.T	L.I.T.
1 / 2	Body / Body Insert	ASTM A105N	ASTM A182 F316/F316L	ASTM A350 LF2
3	Ball	ASTM A351 Gr. CF8M (DN 15 to 50 A182 Gr. F316)		
4	Stem	ASTM A182 F51		
5	Seat ring	PTFE		
6	Wrench	ASTM A216 Gr. WCB		
7	Gland nut	ASTM A276 Tp.316		
8	Disk spring	ASTM A666 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	PTFE		
14	Stop pin	A4-70		
16	Bolt	DIN 933 A4-70		
17	Washer	ASTM A276 Tp.316		
18	Thrust washer	25% G.F. PTFE		
19	Antistatic device	Stainless St.		
39	Stem bushing (DN 40 to DN 250)	25% G.F. PTFE		
41	Spacer (DN 40 to 250)	ASTM A276 Tp.316		
46	Washer	ASTM A276 Tp.316		
72	O-Ring	FKM		
74	Insert Seal	Graphite		
89	Identification plate	ASTM A276 Tp.316		

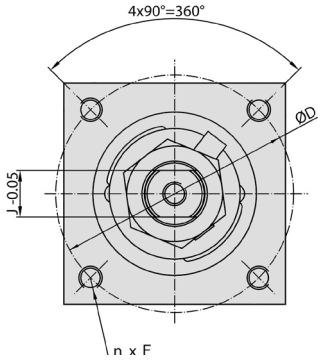
Fig. 715B/730B

Dimensions

ANSI Ball Valves
Floating







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

* Dimensions in mm * Weight in Kg

Series 715B (Class 150)

DN	ØJ	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	H	M	WEIGHT	Kv
15 (½")	15	9,5	108	54	35,1	60,5	4x15,9	89	1,5	7,9	21,5	81	164	2,4	7
20 (¾")	20	15	117	60	42,9	69,8	4x15,9	99	1,5	8,6	26	99	164	3,2	10
25 (1")	25	20	127	65	50,8	79,2	4x15,9	108	1,5	9,7	29	102	164	4,1	26
40 (1½")	40	32	165	72	73,0	98,6	4x15,9	127	1,5	12,7	51	117	210	8,3	107
50 (2")	50	40	178	75	91,9	120,6	4x19,1	152	1,5	14,2	61,5	133	213	14,1	140
80 (3")	80	58	203	88	127,0	152,4	4x19,1	190	1,5	17,5	76	148	348	21,8	300
100 (4")	102	80	229	104	157,2	190,5	8x19,1	229	1,5	22,4	92,5	189	445	41,6	600
150 (6")	152	111	267	125	215,9	241,3	8x22,2	279	1,5	23,9	129	228	495	79	1000
200 (8")	200	144	292	135	269,7	298,4	8x22,2	343	1,5	26,9	158	267	698	121,5	2000

Series 730B (Class 300)

DN	ØJ	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	H	M	WEIGHT	Kv
15 (½")	15	9,5	140	54	35,1	66,5	4x15,9	95	1,5	12,7	21,5	81	164	3	7
20 (¾")	20	15	152	60	42,9	82,6	4x19,1	117	1,5	14,2	26	99	164	4,6	10
25 (1")	25	20	165	65	50,8	88,9	4x19,1	124	1,5	15,7	29	102	164	5,6	26
40 (1½")	40	32	190	72	73,0	114,3	4x22,2	155	1,5	19,0	51	117	210	11,4	107
50 (2")	50	40	216	75	91,9	127,0	8x19,1	165	1,5	20,6	61,5	134	213	17,2	140
80 (3")	80	58	282	88	127,0	168,1	8x22,2	210	1,5	26,9	76	148	348	21,8	300
100 (4")	102	80	305	104	157,2	200,2	8x22,2	254	1,5	30,2	92,5	189	445	41,6	600

Actuator Connection

DN	ISO 5211	ØA	B	C	ØD	n x F	E	I	J
15 (½")	F05	35	22	7,9	50	4x M6	1,5	M10x1.5	7
20 (¾")	F05	35	22,7	8,5	50	4x M6	3	M12x1.5	9
25 (1")	F05	35	22,7	8,5	50	4x M6	3	M12x1.5	9
40 (1½")	F05	35	34,5	14	50	4x M6	3	M16x1.5	12
50 (2")	F07	55	42	18,8	70	4x M8	3	M18x1.5	13
80 (3")	F07	55	44	18,6	70	4x M8	3	M22x1.5	16
100 (4")	F10	70	44,5	18,6	102	4x M10	3	M25x1.5	18
150 (6")	F12	85	56,5	27,8	125	4x M12	3	M28x1.5	20
200 (8")	F12	85	56	24,8	125	4x M12	3	M35x2	25

Torque Values in Nm

ANSI Ball Valves
Floating

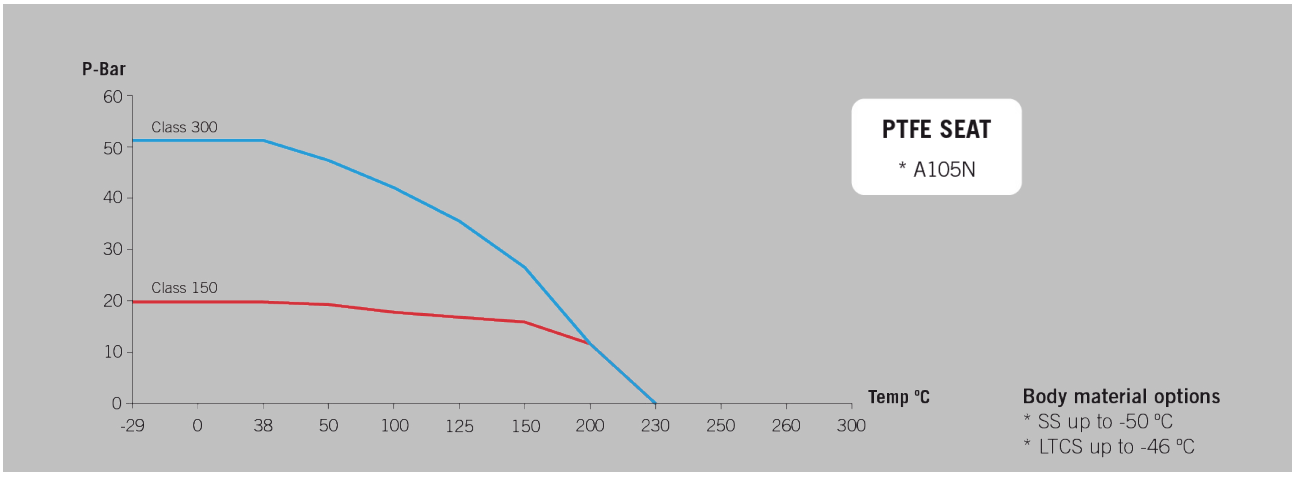
Differential Pressure 150 Lbs

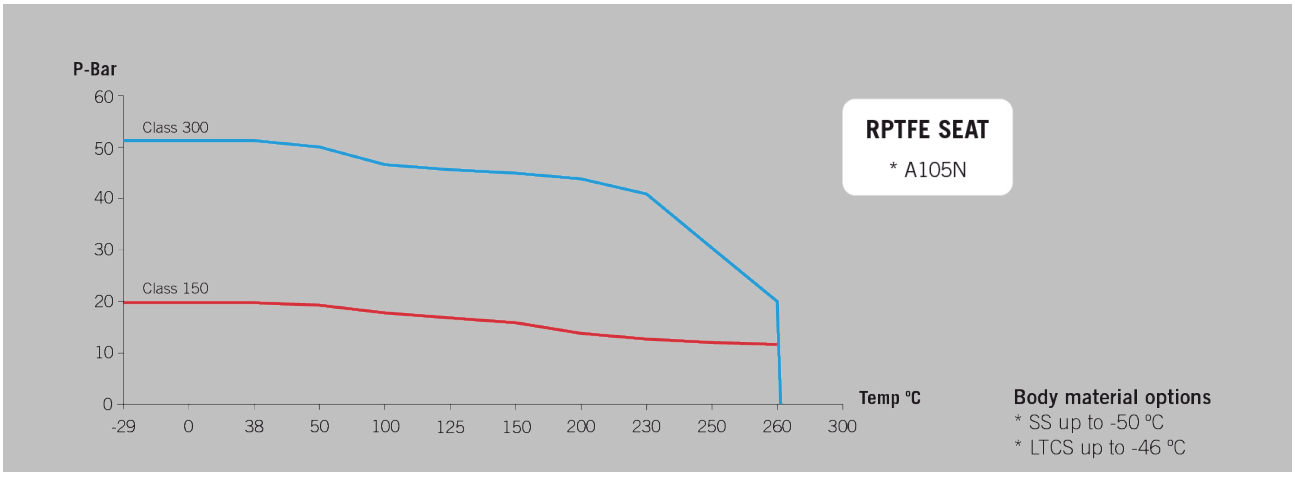
DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	8	4	5	6	4	6	28
20	9	5	5	7	5	7	57
25	11	6	7	8	6	9	57
40	17	9	10	13	9	14	151
50	28	14	17	21	14	22	185
80	58	29	35	44	29	46	386
100	90	45	54	68	45	72	539
150	228	114	137	171	114	182	668
200	352	176	211	264	176	282	1329

Differential Pressure 300 Lbs

DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	10	5	6	8	5	8	28
20	12	6	7	9	6	10	57
25	16	8	10	12	8	13	57
40	26	13	16	20	13	21	151
50	35	18	21	26	18	28	185
80	70	35	42	53	35	56	386
100	90	45	54	68	45	72	539
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Pressure – Temperature Charts





ANSI Ball Valves
Floating



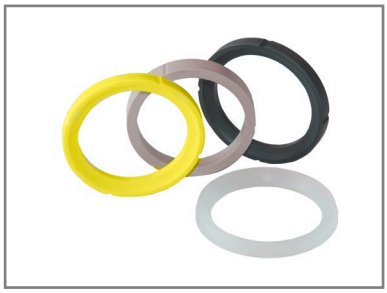
Simple Stem Extension



Standard Stem Extension



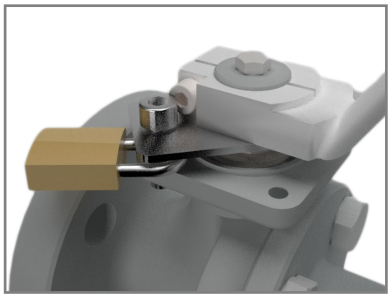
Cavity Relief Seat



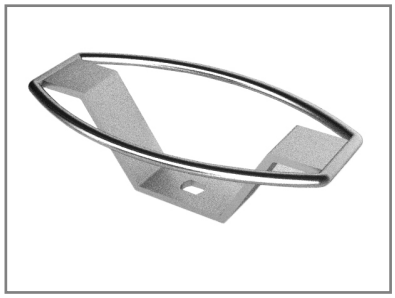
Other Seat materials



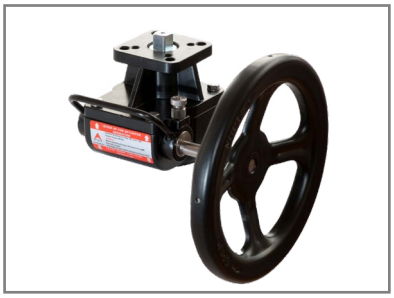
Wrench in inox



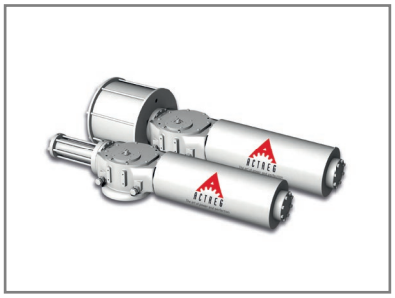
Locking Device



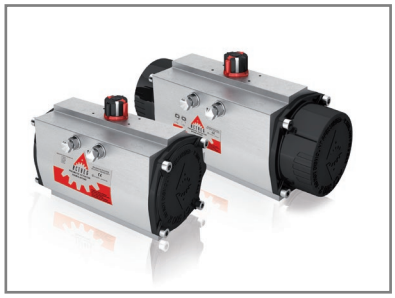
Oval Hand Wheel
Available from 1/2" to 2"



Manual and Declutchable Gears



Pneumatic or Hydraulic Scotch Yoke Actuators



Valve Automation option available on Request