Technical Datasheet

ANSI Ball Valves 560B

JC VALVES

The quality option



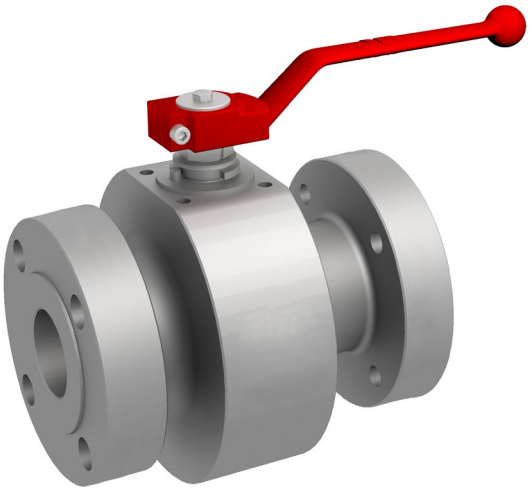


sales@jc-valves.com
www.jc-valves.com

Fig. 560B

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

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

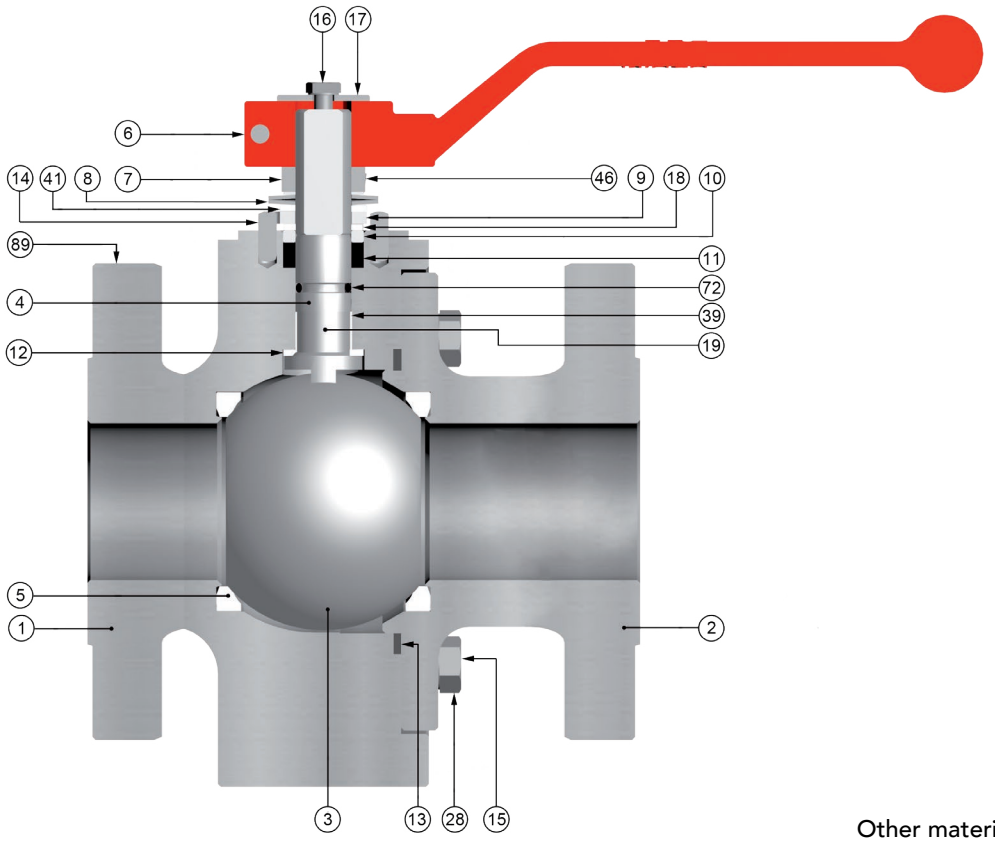
Product Certificates

- Fire Safe API 607, ISO 10497, API 6FA
- 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
- Fugitive Emissions TA-Luft / ISO 15848-1
- Fugitive Emissions API 641

Fig. 560B

Parts and Materials

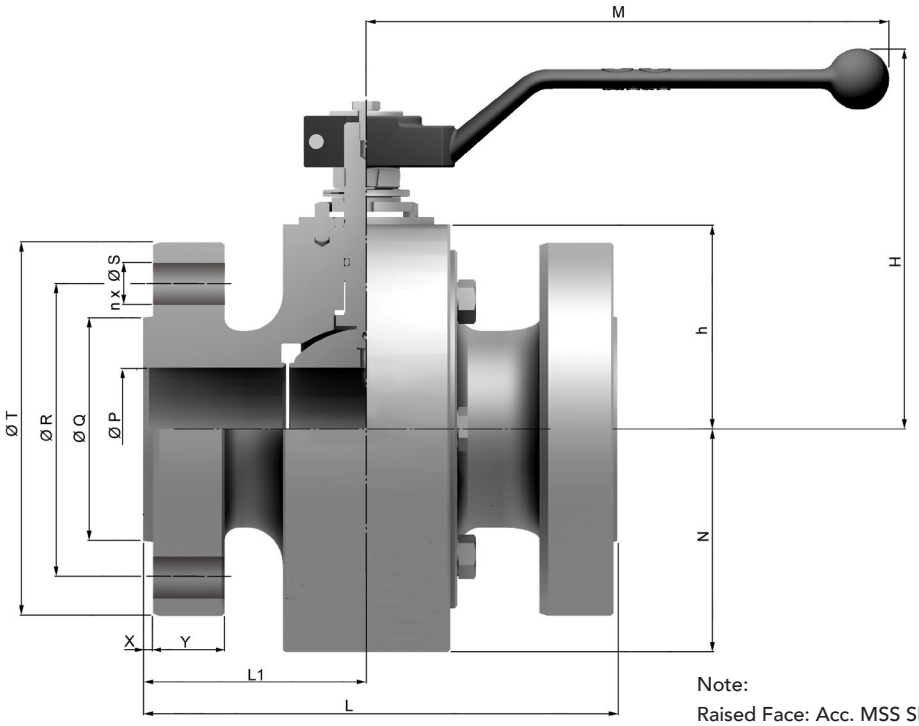
ANSI Ball Valves
Floating

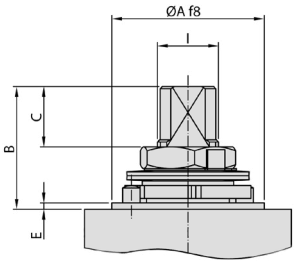


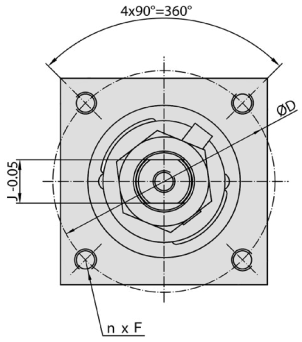
Other materials upon request

Item	Description	Material		
		A.I.N.	I.I.N.	L.I.N.
1 / 2	Body / Body Connector	ASTM A105N	ASTM A182 F316/316L	ASTM A350 LF2
3	Ball	ASTM A351 Gr. CF8M (DN 15 to 50 A182 Gr. F316)		
4	Stem	ASTM A182 F51		
5	Seat ring	NYLON / RPTFE (Up to DN-50)		
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 15 & DN 50 Stud)	ASTM A193 Gr. B7M Zinc Bichromated	ASTM A193 Gr. B8M	ASTM A320 Gr. L7M 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 & DN 50)	ASTM 194 Gr. 2HM Zinc Bichromated	ASTM A194 Gr. 8M	ASTM A194 Gr. 7M Zinc Bichromated
39	Stem bushing (DN 25 to DN 200)	25% G.F. PTFE		
41	Spacer (DN 25 to 200)	ASTM A276 Tp.316		
46	Washer	ASTM A276 Tp.316		
72	O-Ring	FKM		
89	Identification Plate	ASTM A276 Tp.316		

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

Series 560B (Class 600)

* Weight in Kg * Dimensions in mm

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	H	M	N	WEIGHT	Kv
15	15,0	165	70,0	35,1	66,5	4x15,9	95	6,4	14,2	46,0	111	164	52,5	5,5	22
20	20,0	190	86,0	42,9	82,6	4x19,1	117	6,4	15,7	45,5	117	164	--	8	43
25	25,0	216	94,0	50,8	88,9	4x19,1	124	6,4	17,5	53,0	119	210	--	10	81
40	40,0	241	104,0	73,0	114,3	4x22,2	155	6,4	22,4	65,5	138	348	--	19	224
50	50,0	292	120,0	91,9	127,0	8x19,1	165	6,4	25,4	84,5	181	445	97,0	38	270
80	80,0	356	151,0	127,0	168,1	8x22,2	210	6,4	31,8	122,0	231	698	135,0	75	1000
100	100,0	432	172,0	157,2	215,9	8x25,4	273	6,4	38,1	139,0	248	698	150,0	125	1650

Actuator Connection

DN	ISO 5211	ØA	B	C	ØD	n x F	E	I	J
15	F05	35	11,2	5,0	50	4 x M6	1,5	M12x1.5	9
20	F05	35	23,7	10,5	50	4 x M6	1,5	M12x1.5	9
25	F05	35	33,5	13,0	50	4 x M6	3	M16x1.5	12
40	F07	55	43,0	17,6	70	4 x M8	3	M22x1.5	16
50	F10	70	45,0	19,1	102	4 x M10	3	M25x1.5	18
80	F12	85	55,5	24,3	125	4 x M12	3	M35x2	25
100	F12	85	55,0	23,8	125	4 x M12	3	M35x2	25

ANSI Ball Valves
Floating

Differential Pressure 600 Lbs

NYLON

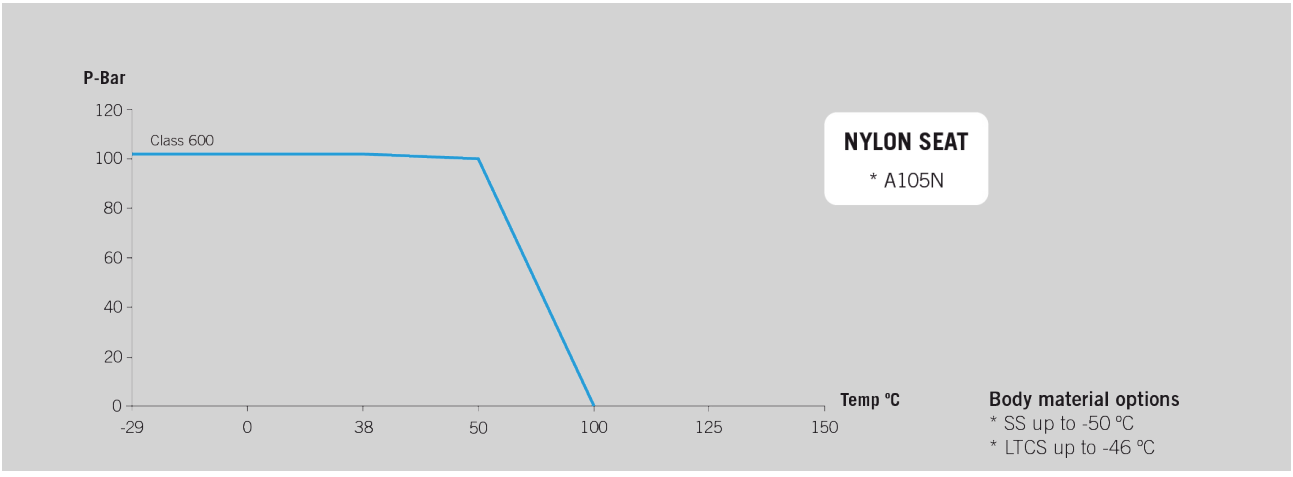
DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	23	12	14	17	12	18	57
20	25	13	15	19	13	20	57
25	65	33	39	49	33	52	151
40	88	44	53	66	44	70	386
50	114	57	68	86	57	91	539
80	310	155	186	233	155	248	1329
100	484	242	290	363	242	387	1329

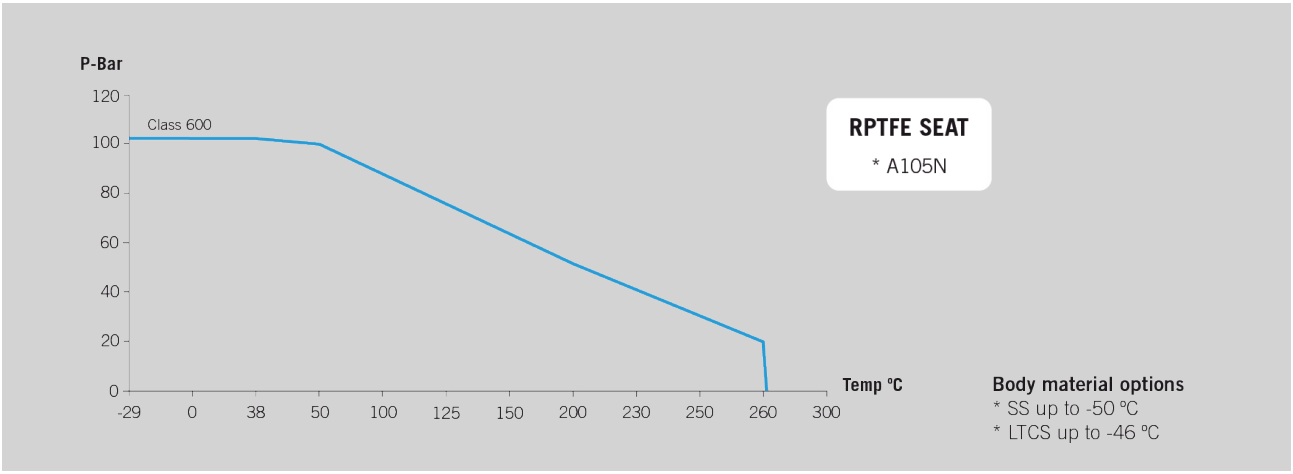
Differential Pressure 600 Lbs

RPTFE

DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	17	9	10	13	9	14	57
20	19	10	11	14	10	15	57
25	29	15	17	22	15	23	151
40	62	31	37	47	31	50	386
50	105	53	63	79	53	84	539

Pressure – Temperature Charts





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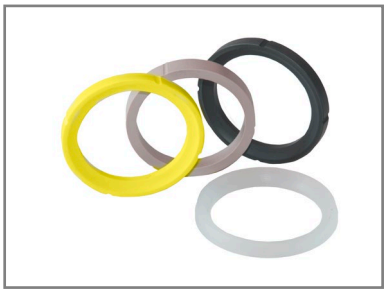
Simple Stem Extension



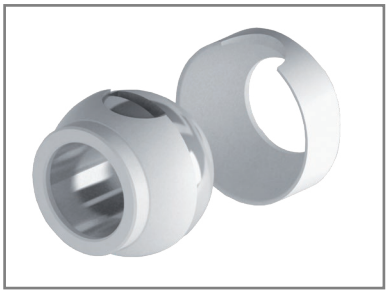
Standard Stem Extension



Double Packing Stem Extension



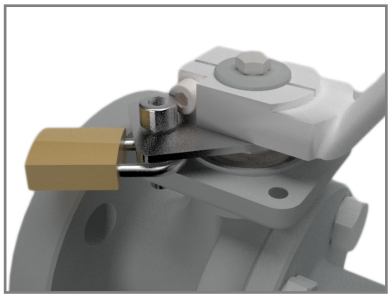
Other Seat materials



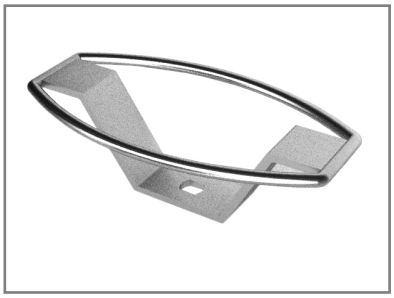
Cavity Filler Seat



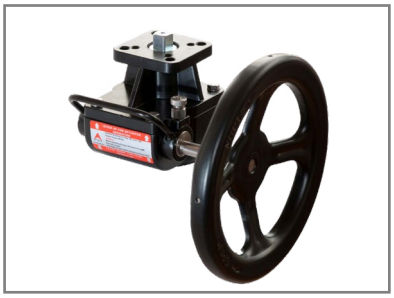
Stainless Steel Lever



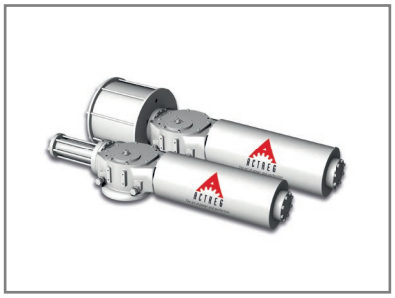
Locking Device



Oval Handwheel
Available from 1/2" to 2"



Manual and Declutchable Gears



Pneumatic or Hydraulic Scotch Yoke Actuators



Valve Automation option available on Request