

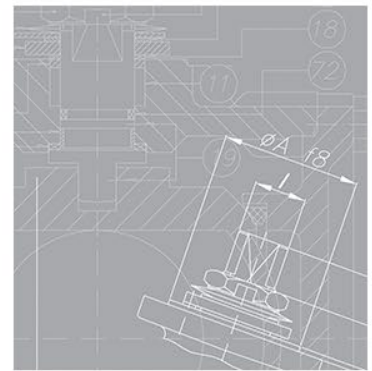
Technical Datasheet

ANSI Ball Valves

590B

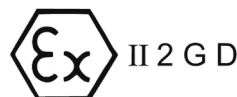
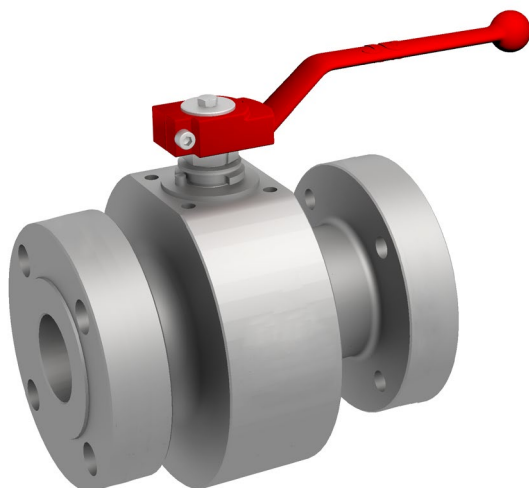
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FUGITIVE
EMISSIONS
EN-ISO 15848-1
TALUFT / VDI 2440



- Valve design: Full Bore API 6D / EN ISO 14313
- 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

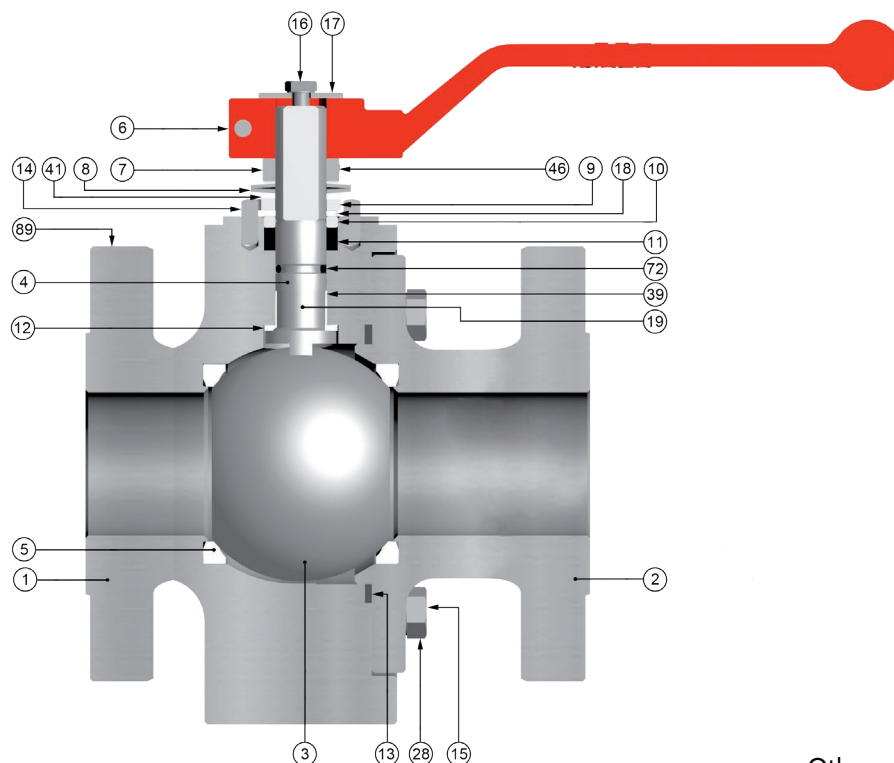
Certifications

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

ANSI Ball Valves
F l o a t i n g

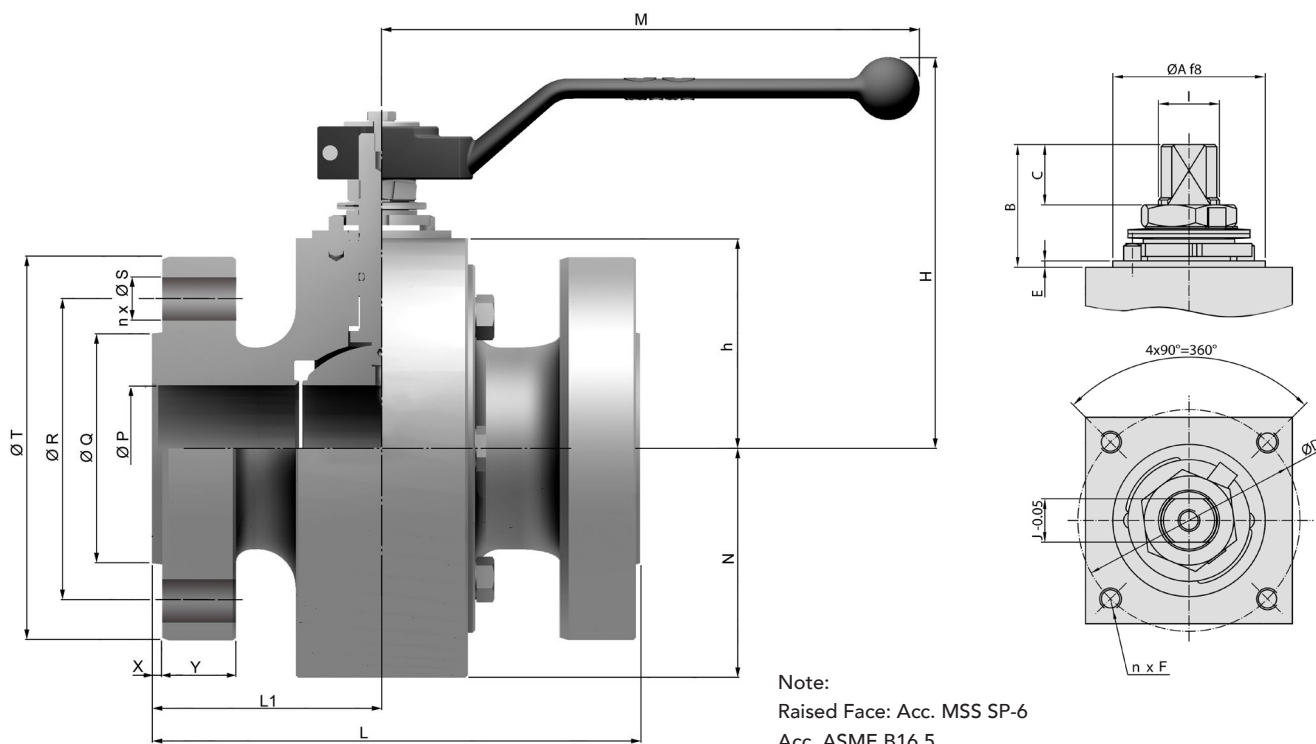
Other materials upon request

Item	Description	Material		
		A.I.DV.	I.I.DV.	L.I.DV.
1 / 2	Body / Body Connector	ASTM A105N	ASTM A182 F316/F316L	ASTM A350 LF2
3	Ball	ASTM A182 F51		
4	Stem	ASTM A182 F51		
5	Seat ring	DEVLON		
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 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 40)	ASTM A194 Gr. 2HM Zinc Bichromated	ASTM A194 Gr. 8M	ASTM A194 Gr. 7M Zinc Bichromated
39	Stem bushing (DN 50)	25% G.F. PTFE		
41	Spacer (DN 25 to DN 50)	ASTM A276 Tp.316		
46	Washer	ASTM A276 Tp.316		
72	O-Ring	FKM		
89	Identification Plate	ASTM A276 Tp.316		

ANSI Ball Valves

Floating

Series 590B (Class 900)



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

* 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	216	90	35,1	82,6	4x22,2	121	6,4	22,4	38,5	113	164	--	8,0	22
20	20	229	99,5	42,9	88,9	4x22,2	130	6,4	25,4	45,5	117	164	--	11,3	43
25	25	254	105	50,8	101,6	4x25,4	149	6,4	28,4	53,0	119	210	--	16,3	81
40	40	305	121	73,0	124,0	4x28,6	178	6,4	31,8	79,5	151	348	--	35,5	224
50	50	368	143,5	91,9	165,1	8x25,4	216	6,4	38,1	84,5	180	445	--	53,8	270

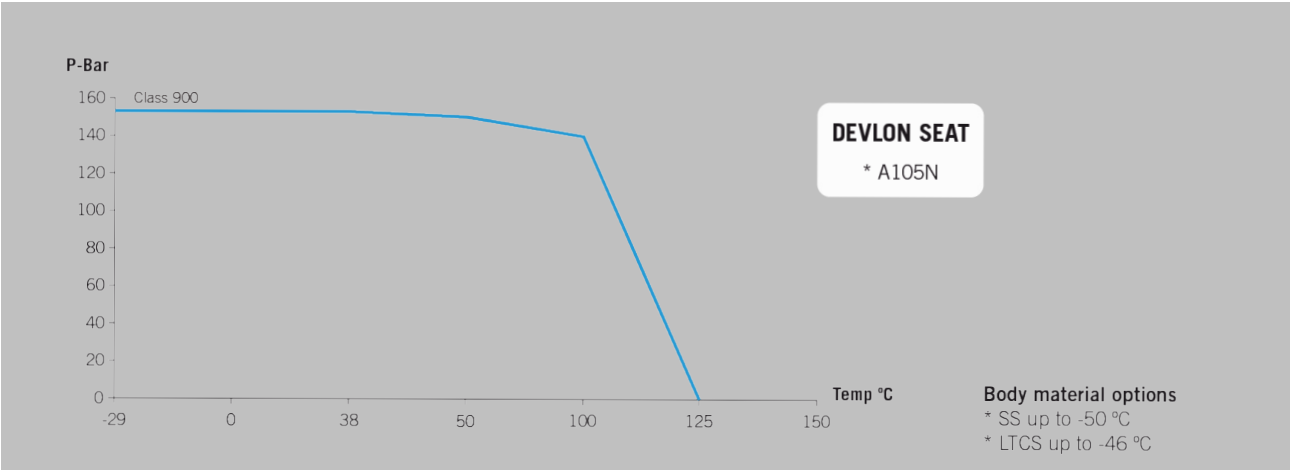
Actuator Connection

DN	ISO 5211	ØA	B	C	ØD	n x F	E	I	J
15	F05	35	22,7	7	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

Differential Pressure 900 Lbs

DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	27	14	16	20	14	22	63
20	32	16	19	24	16	26	57
25	72	36	43	54	36	58	151
40	111	56	67	83	56	89	386
50	155	78	93	116	78	124	539

Pressure – Temperature Charts





Simple Stem Extension



Standard Stem Extension



Double Packing Stem Extension



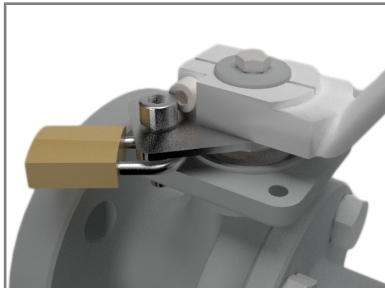
Other Seat materials



Cavity Filler Seat



Stainless Steel Lever



Locking Device



Manual and Declutchable
Gears



Pneumatic or Hydraulic
Scotch Yoke Actuators



Valve Automation option
available on Request