

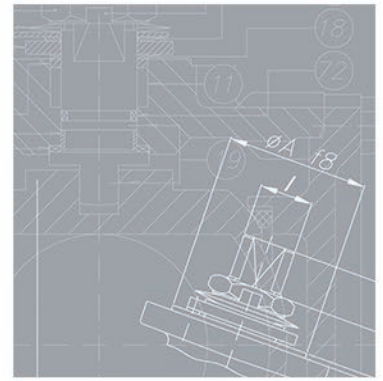
Technical Datasheet

DIN Ball Valves

599B

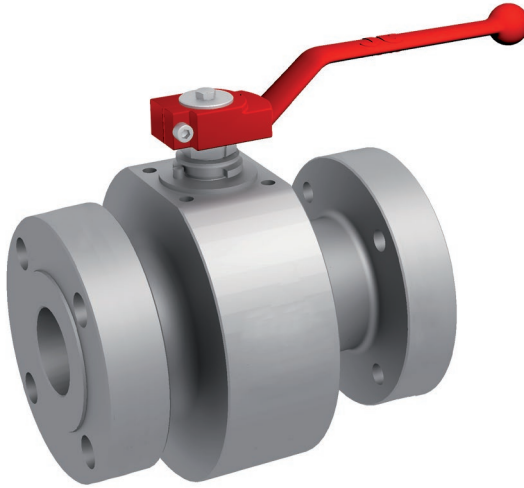
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FUGITIVE
EMISSIONS
EN-ISO 15848-1
TALUFT / VDI 2440

- Valve design: EN 1983
- Body design: EN 12516
- Shell thickness: EN ISO 17292
- Flanges: DIN 2501 / EN 1092-1
- Face to face dimensions: EN 558 Series 1
- Marking: CE - PED / EN19 / MSS SP25
- Pressure testing: EN 12266
- ISO 5211

Certifications

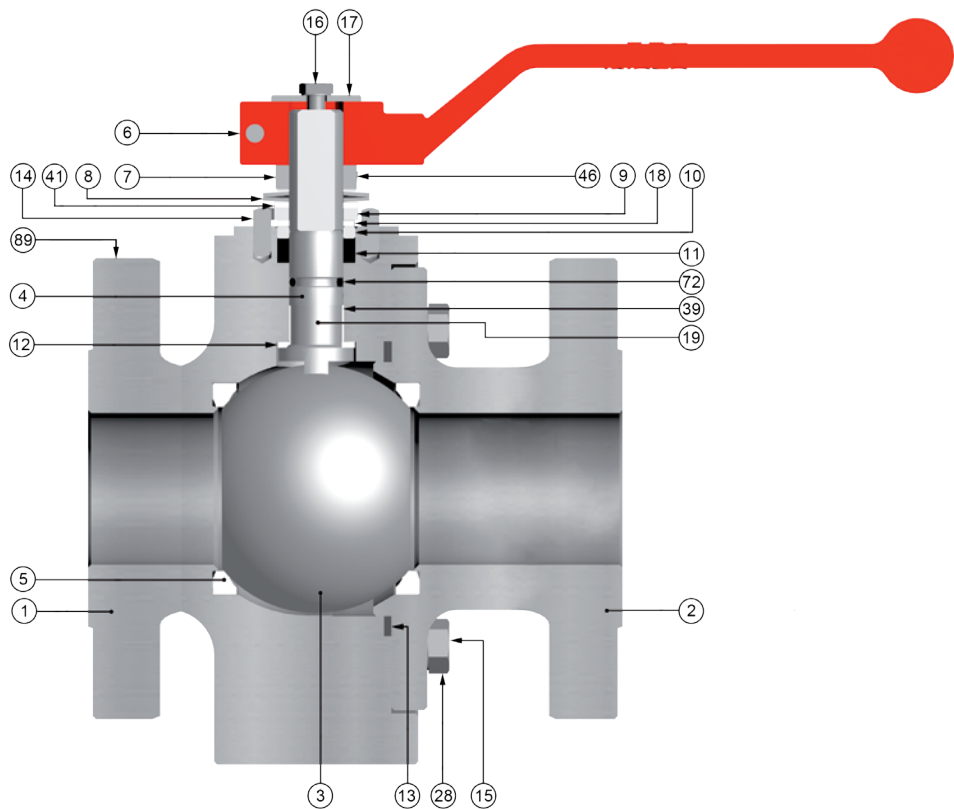
Company Certifications

- ISO9001 Quality Management System
- ISO14001 Environmental Management System
- AD2000-Merkblatt W0/A4

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)
- Fugitive Emissions ISO 15848, TA LUFT (VDI 2440)

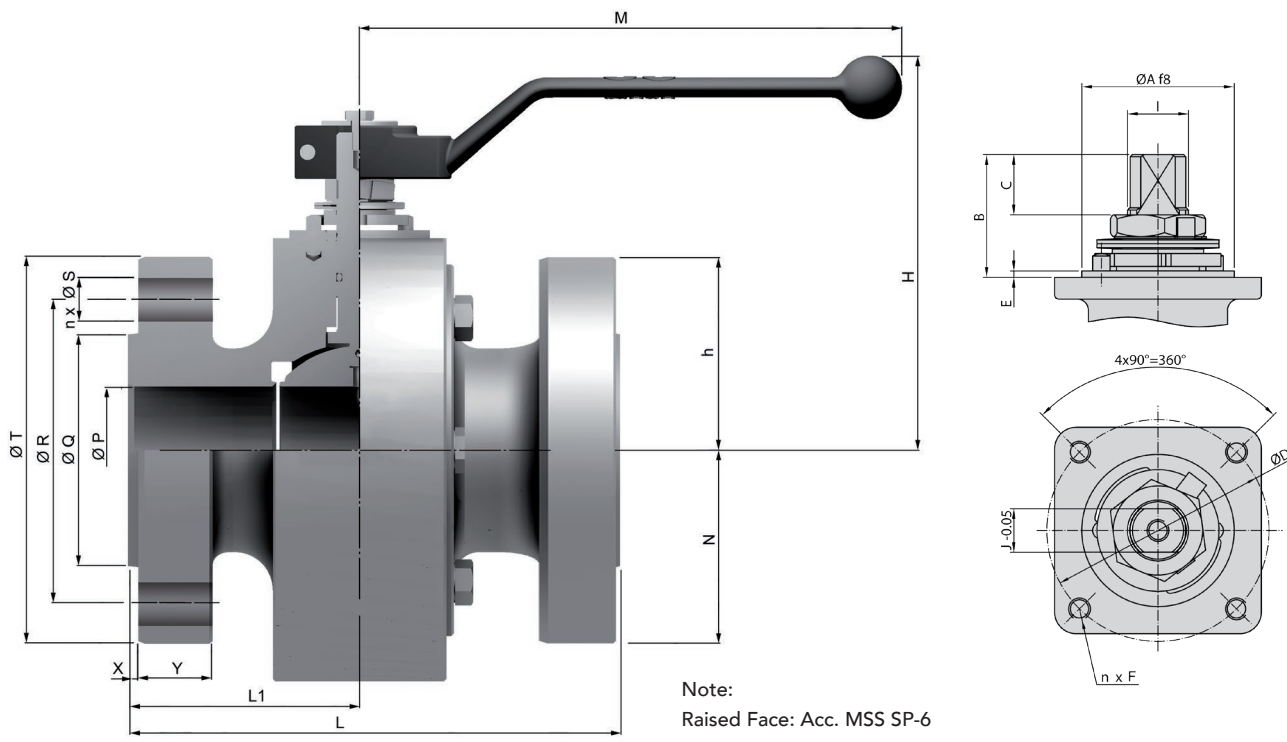
DIN Ball Valves
F l o a t i n g



Other materials upon request

Item	Description	Material		
		A.I.CG.	I.I.CG.	L.I.CG.
1 / 2	Body / Body Connector	ASTM A105N	S.S. 316	ASTM A 352 LF2
3	Ball	ASTM A 351 Gr. CF8M (DN 15 to 50 A182 Gr. F316)		
4	Stem	ASTM A 479 Tp.316		
5	Seat ring	NYLON / RPTFE (Up to DN-50)		
6	Wrench	A 216 Gr. WCB		
7	Gland nut	Zinc plated carbon steel	AISI 303	
8	Disk spring	Carbon St.	A 666 Tp.301	
9	Stop plate	Carbon St.	AISI 304	
10	Gland	AISI 303	AISI 316	
11	Gland packing	Graphite		
12	Stem thrust seal	25% G.F. PTFE		
13	Body connector seal	SPW AISI 316L + Graphite		
14	Stop pin	Carbon St.	Stainless St.	
15	Stud	A 193 Gr. B7M Zinc Bichromated	A 193 Gr. B8M	A 320 Gr. L7M Zinc Bichromated
16	Bolt	DIN 933 A4-70		
17	Washer	AISI 304		
18	Thrust washer	25% G.F. PTFE		
19	Antistatic device	Stainless St.		
28	Nut	A 194 Gr. 2HM Zinc Bichromated	A 194 Gr. 8M	A 194 Gr. 7M Zinc Bichromated
39	Stem bushing (DN 50 to DN 100)	25% G.F. PTFE		
41	Spacer (DN 25 to 100)	Carbon St.	AISI 304	
46	Washer	AISI 304		
72	O-Ring	FKM		
89	Identification Plate	Stainless St.		

DIN Ball Valves
F l o a t i n g



Series 599B (PN 100)

														* 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	130	58	45	75	4x14	105	2	20	46	111	164	--	6,1	19
20	20	150	63,5	58	90	4x18	130	2	22	45,5	117	164	--	8,8	33
25	25	160	66	68	100	4x18	140	2	24	53	119	210	--	11,0	70
40	40	200	84	88	125	4x22	170	3	28	65,5	137	348	--	20,6	180
50	50	230	97	102	145	4x26	195	3	30	84,5	181	445	--	39,3	290
80	80	310	129	138	180	8x26	230	3	36	122	231	698	135,0	79,0	990
100	100	350	150	162	210	8x30	265	3	40	139	248	698	150,0	108,8	1650

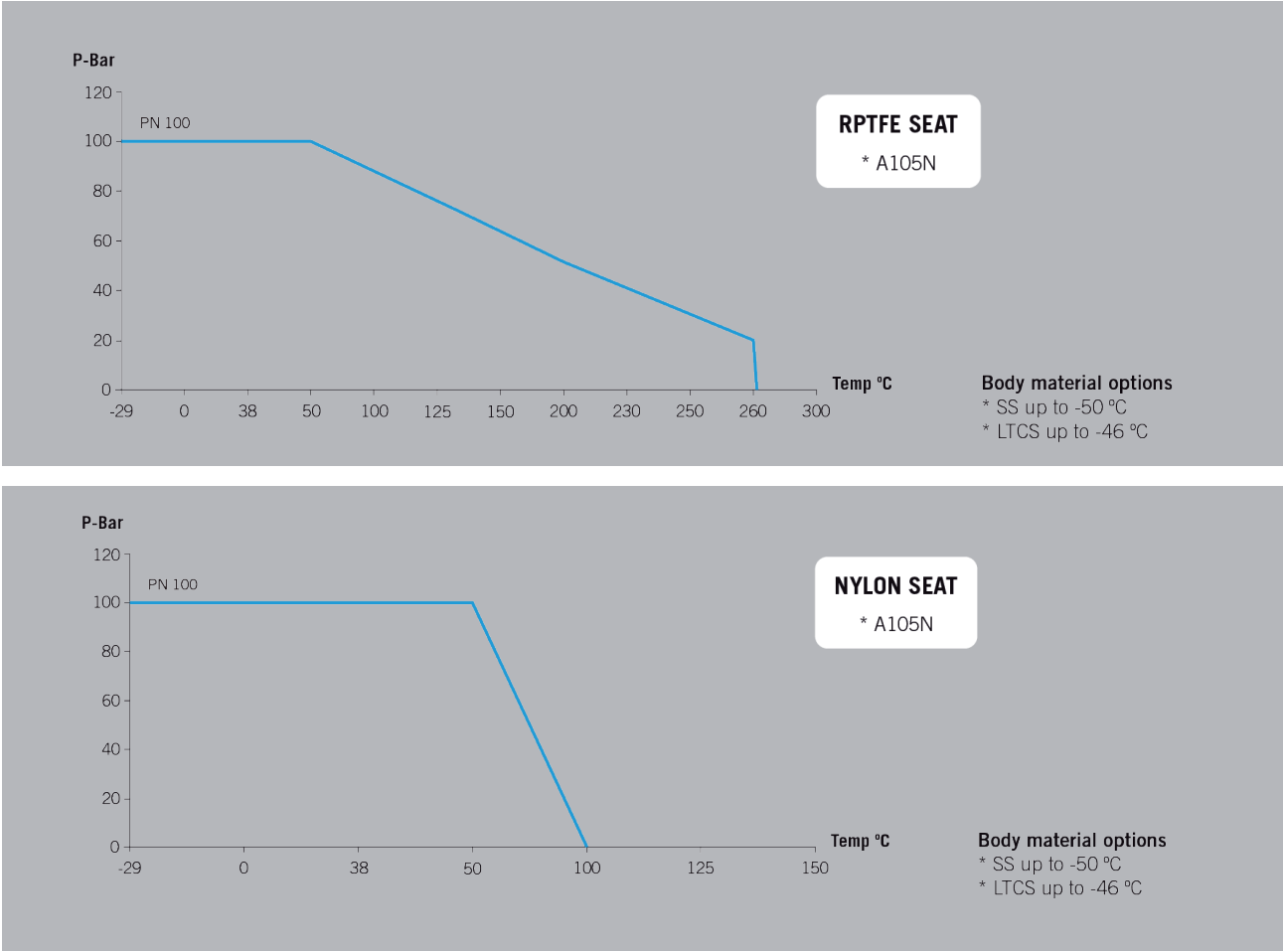
Actuator Connection

DN	ISO 5211	ØA	B	C	ØD	n x F	E	I	J
15	F05	35	11,2	5	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

Differential Pressure PN 100

DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
15	23	12	14	17	12	18	26
20	25	13	15	19	13	20	26
25	65	33	39	49	33	52	69
40	88	44	53	66	44	70	176
50	114	57	68	86	57	91	246
80	310	155	186	233	155	248	607
100	484	242	290	363	242	387	607

Pressure – Temperature Charts



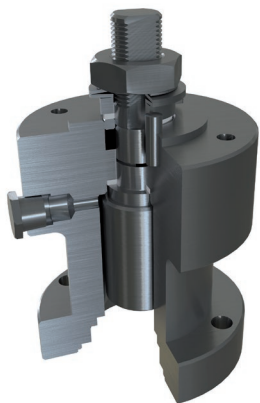
DIN Ball Valves
F l o a t i n g



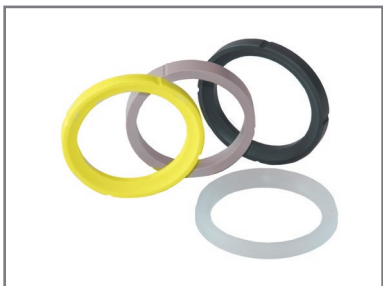
Simple Stem Extension



Stem Extension



Double Packing Stem Extension



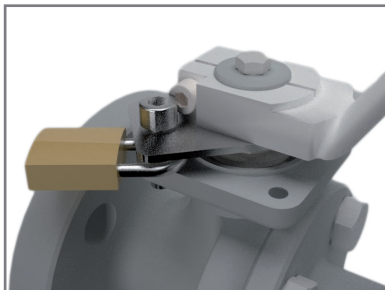
Other Seat materials



Cavity Filler Seat



Stainless Steel Lever



Locking Device



Manual and Declutchable
Gears



Pneumatic or Hydraulic
Scotch Yoke Actuators



Valve Automation option
available on Request