

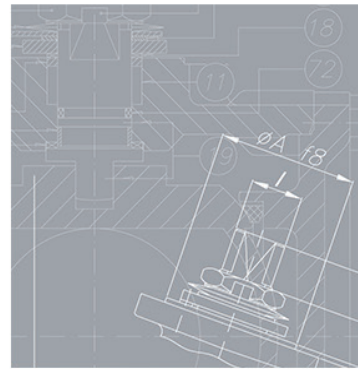
Technical Datasheet

DIN Ball Valves

599B

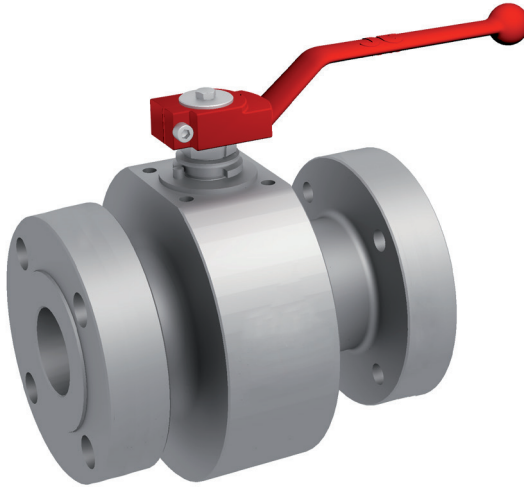
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FUGITIVE
EMISSIONS
EN-ISO 15848-1
TALUFT / VDI 2440

- Valve design: Full Bore EN 1983 / EN ISO 17292
- Body design: EN 12516
- Shell thickness: EN ISO 17292
- Flanges: DIN 2501 / EN 1092-1
- Face to face dimensions: EN 558 Series 1
- Marking: EN 19 / CE - PED / MSS SP-25
- Pressure testing: EN 12266
- ISO 5211

Certifications

Company Certifications

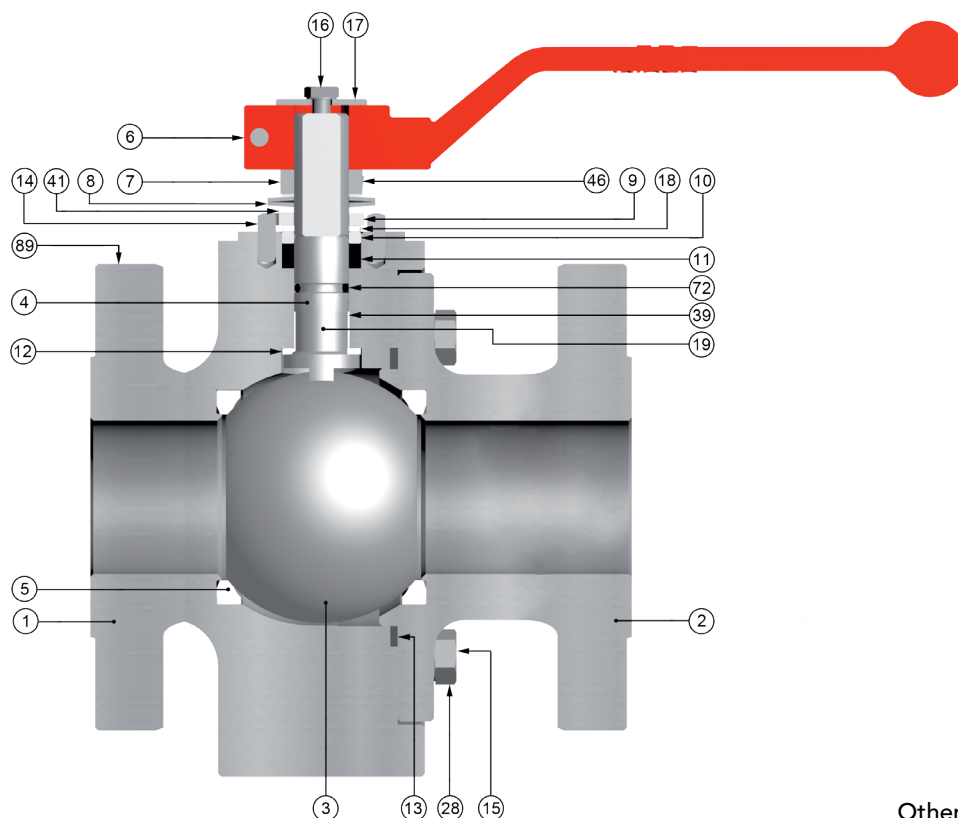
- ISO9001 Quality Management System
- ISO14001 Environmental Management System
- AD2000-Merkblatt W0/A4

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) - *Optional*
- Fugitive Emissions TA-Luft / ISO 15848-1
- Safety Integrity Level (SIL) LEVEL 3 IEC 61508

DIN Ball Valves

F l o a t i n g

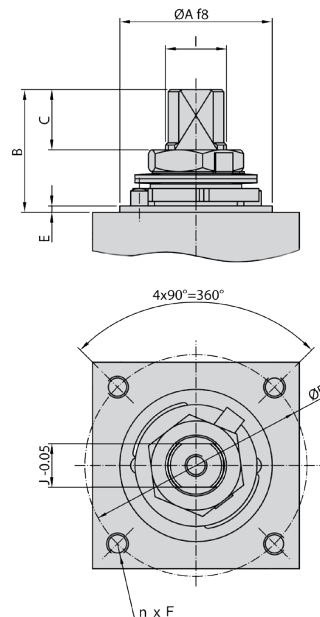
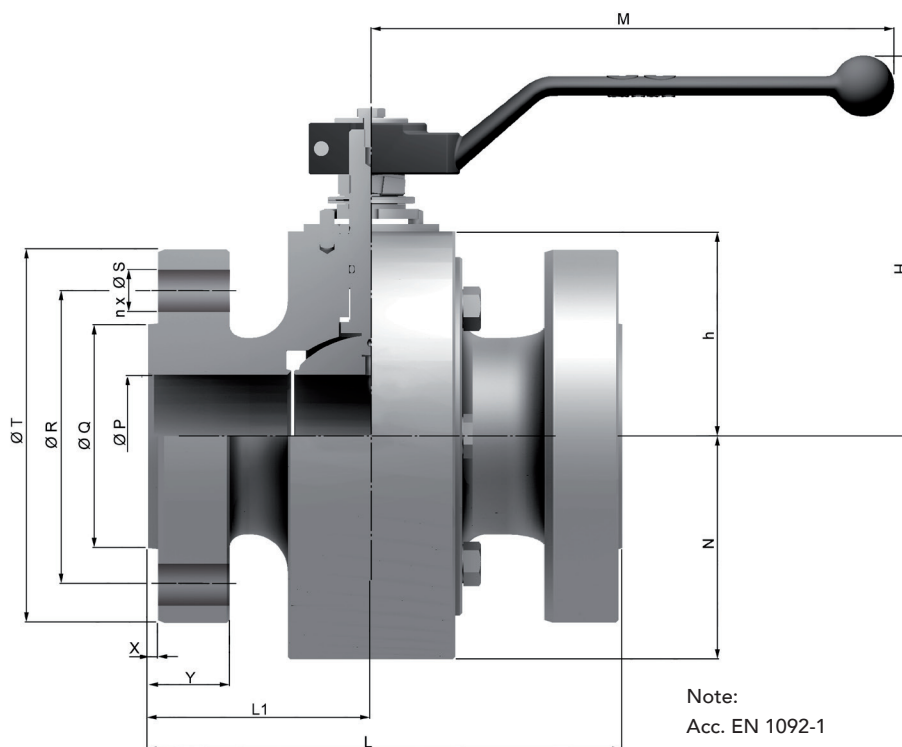


Other materials upon request

Item	Description	Material	
		A.I.CG.	I.I.CG.
1 / 2	Body / Body Connector	ASTM A105N	ASTM A182 F316/F316L
3	Ball	ASTM A351 Gr. CF8M (DN 15 to 50 A182 Gr. F316)	
4	Stem	1.4462	
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	1.4462	
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	Stud	8.8 Zinc Bichromated	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.	
28	Nut	DIN 934 .8 Zinc Bichromated	DIN 934 A4
39	Stem bushing (DN 50 to DN 100)	25% G.F. PTFE	
41	Spacer (DN 25 to 100)	ASTM A276 Tp.316	
46	Washer	ASTM A276 Tp.316	
72	O-Ring	FKM	
89	Identification Plate	ASTM A276 Tp.316	

DIN Ball Valves

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Series 599B (PN 100)

												* Weight in Kg	* Dimensions in mm		
DN	$\varnothing P$	L	L1	$\varnothing Q$	$\varnothing R$	$n \times \varnothing S$	$\varnothing T$	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	66	58	90	4x18	130	2	22	45,5	117	164	--	8,8	33
25	25	160	68	68	100	4x18	140	2	24	53	119	210	--	11,0	70
40	40	200	81	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	180	445	--	39,3	290
80	80	310	130	138	180	8x26	230	3	36	122	231	698	135,0	79,0	990
100	100	350	142	162	210	8x30	265	3	40	139	248	698	150,0	108,8	1650

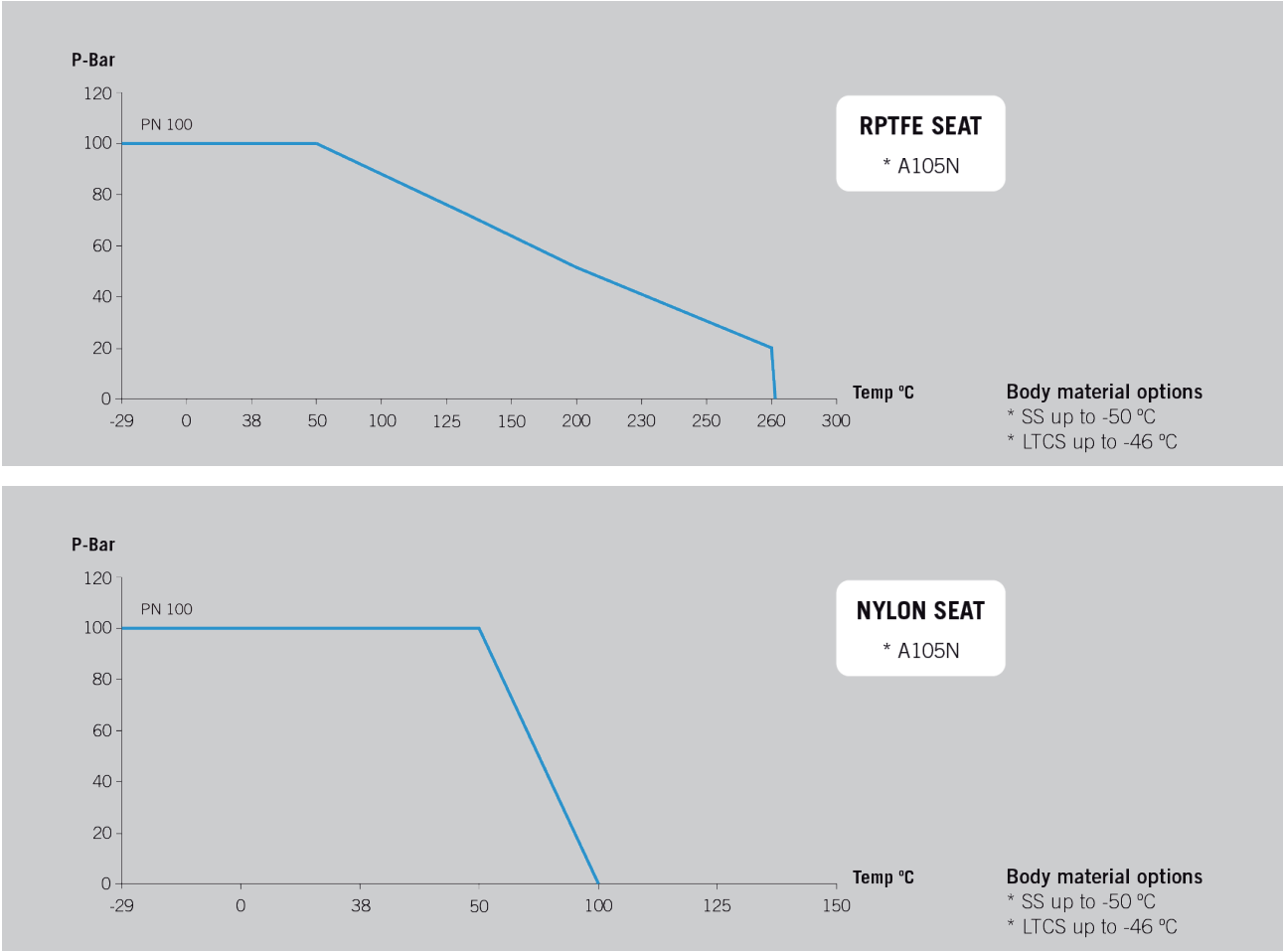
Actuator Connection

DN	ISO 5211	$\varnothing A$	B	C	$\varnothing D$	$n \times F$	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	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

Pressure – Temperature Charts



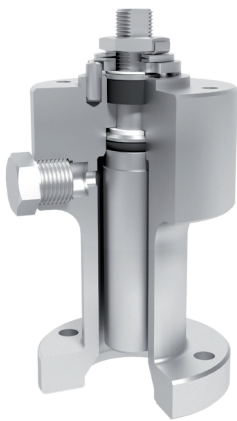
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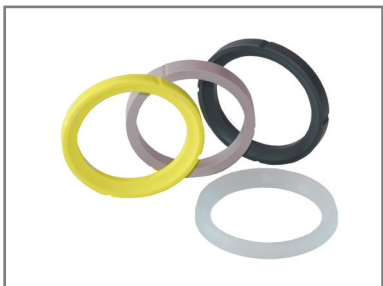
Simple Stem Extension



Standard Stem Extension



Double Packing Stem Extension



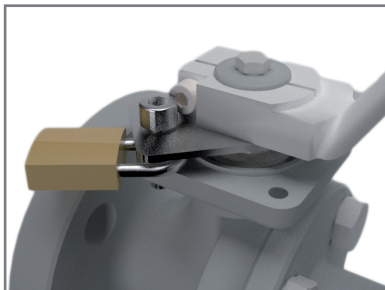
Other Seat materials



Cavity Filler Seat



Stainless Steel Lever



Locking Device



Manual and Declutchable
Gears



Pneumatic or Hydraulic
Scotch Yoke Actuators



Valve Automation option
available on Request