

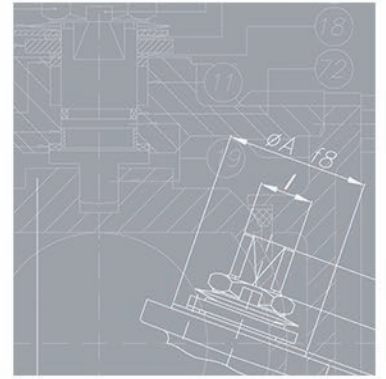
Technical Datasheet

DIN Ball Valves

1516
1540

JC
VALVES

The quality option



sales@jc-valves.com

www.jc-valves.com

DIN Ball Valves Semi-Trunnion



TA-LUFT



FUGITIVE
EMISSIONS

EN-ISO 15848-1



- Valve design: Full Bore EN 1983
- Body design: EN 12516
- Shell thickness: EN ISO 17292
- Flanges: DIN 2501 / EN 1092
- Face to face dimensions: EN 558 Series 27
- Marking: EN 19 / CE - PED / MSS SP25
- Fire Safe certification: ISO 10497
- Pressure testing: EN 12266
- Other: ATEX
- Shell finishing quality: MSS SP 55
- ISO 5211

Certifications

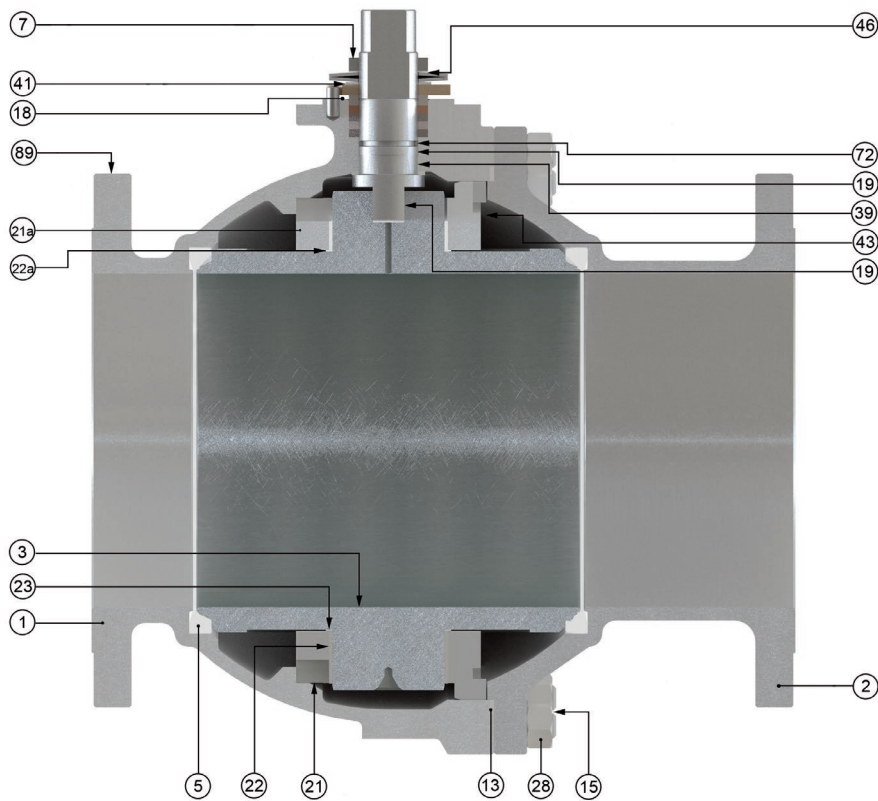
Company Certifications

- ISO9001 Quality Management System
- ISO14001 Environmental Management System
- AD2000-Merkblatt W0/A4
- API Monogram License 6D-0197, 600-0016

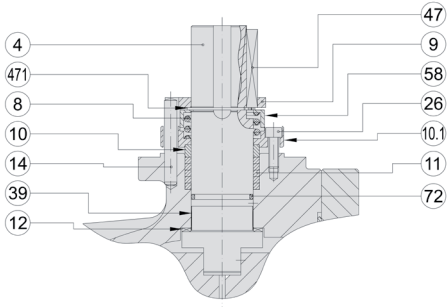
Product Certificates

- Fire Safe API 607, ISO 10497, API 6FA
- Fugitive Emissions ISO 15848 TA LUFT (VDI 2440)
- 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)
- Safety Integrity Level (SIL) LEVEL 3 IEC 61508
- Valves for gas distribution with maximum operating pressure 16 bar EN 13774 type approval.
- CRN (Canadian Registration Number)
- Tanks for the transport of dangerous goods-Tank equipment for the transport of liquid chemicals and liquefied gases - Product discharge and air inlet valves EN 14432
- German type test certificate A216-16

DIN Ball Valves
Semi-Trunnion



Only DN-300

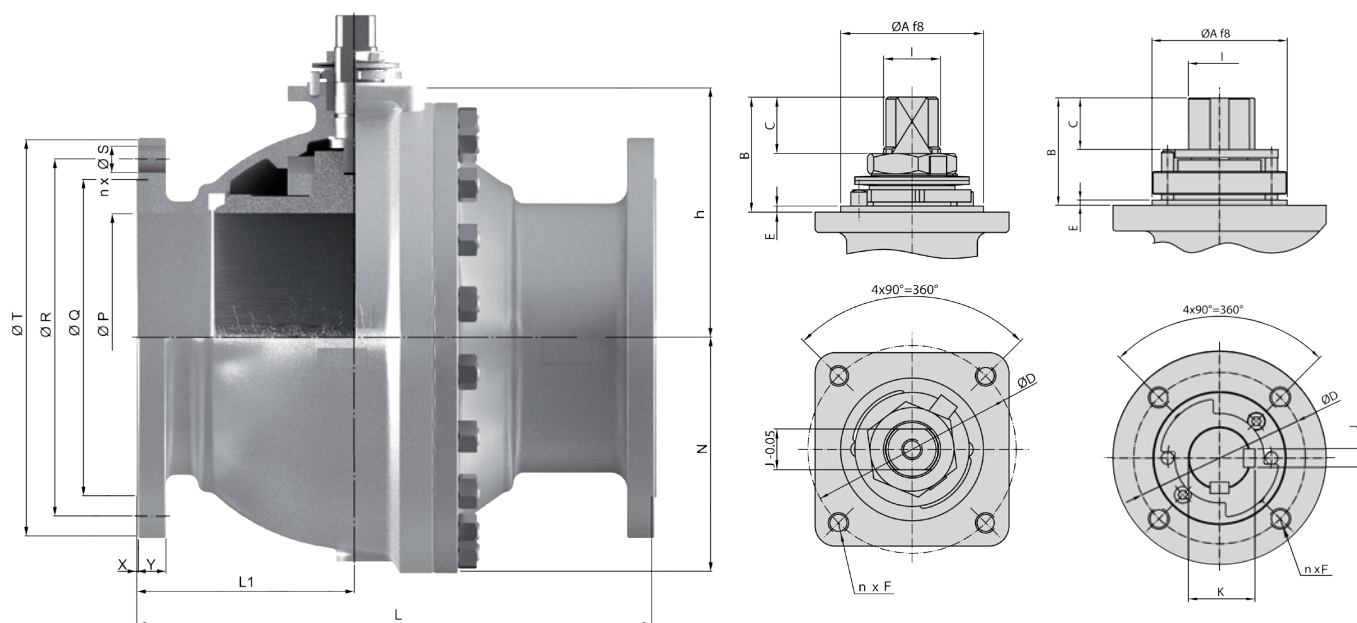


Item	Description	Material	
		A.I.T	I.I.T
1 / 2	Body / Body Connector	1.0619	1.4408
3	Ball	ASTM A 351 Gr. CF8M	
4	Stem	ASTM A 479 Tp.316	
5	Seat ringi	PTFE	
7	Gland nut	Zinc plated carbon steel	AISI 303
8	Disk spring	Zinc plated carbon steel	A 666 Tp.301
9	Stop plate	Carbon St.	AISI 304
10	Gland	Carbon St.	AISI 304
10.1	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	8.8 Zinc Bichromated	A4-70
18	Thrust washer	25% G.F. PTFE	
19	Antistatic device	Stainless St.	
21 / 21a	Ball Trunnion	AISI 316	
22 / 22a	Trunnion Bearing	PTFE + 50% SS	
23	Bearing	PTFE	

Item	Description	Material	
		A.I.T	I.I.T
26	Bolt	DIN 912 8.8 Zinc Bichromated	DIN 912 A4
28	Nut	DIN 934 .8 Zinc Bichromated	A4-70
39	Stem bushing	PTFE + 50% SS	
41	Spacer	Carbon St.	Stainless St.
43	Key	AISI 316	
46	Locking washer	AISI 304	
47	Key	AISI 316	
58	Spring protection	Carbon St.	Stainless St.
72	O-Ring	FKM	
89	Identification plate	Stainless St.	
471	Retainer	Carbon St.	Stainless St.

DIN Ball Valves

Semi-Trunnion



Note:
Raised Face: Acc. MSS SP-6

Series 1516 (PN 16)

* Weight in Kg * Dimensions in mm

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	N	WEIGHT	Kv
250	254	450	225	320	355	12x26	405	3	26	256	239	223	15000
300	305	500	245	378	410	12x26	460	4	28	297	288	323	20800

Series 1540 (PN 40)

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	N	WEIGHT	Kv
200	203	400	200	285	320	12x30	375	3	34	233	208	162	9000
250	254	450	199	345	385	12x33	450	3	38	256	253	264	15000
300	305	500	240	410	450	16x33	515	4	42	310	300	440	20800

Actuator Connection

DN	PN	ISO 5211	ØA	B	C	ØD	n x ØF	E	I	J	K
200	40	F14	100	72	36,5	140	4xM16	4	M45x2	32	---
250	16 / 40	F14	100	72	36,5	140	4xM16	4	M45x2	32	---
300	16	F14	100	106	58	140	4xM16	3	Ø50	14	53,5
300	40	F16	130	103	49,4	165	4xM20	5	Ø60	18	64,2

DIN Ball Valves

Semi-Trunnion

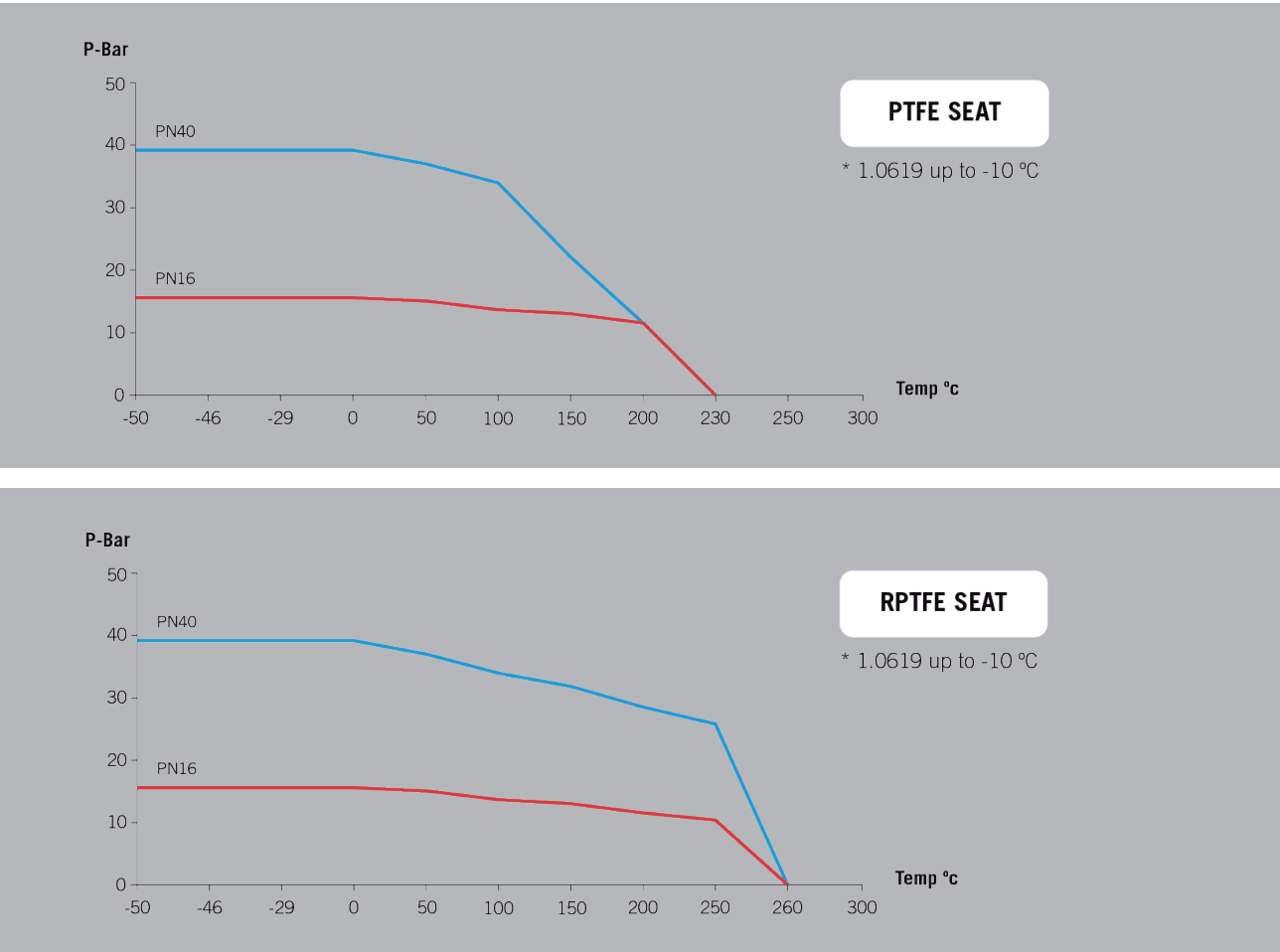
Differential Pressure 16 bar

DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
250	1.120	560	672	840	560	896	1.387
300	1.500	750	900	1.125	750	1.200	2.541

Differential Pressure 40 bar

DN	BTO	RTO	ETO	BTC	RTC	ETC	MAST
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
200	1.020	510	612	765	510	816	1.387
250	1.400	700	840	1.050	700	1.120	3.484
300	1.860	930	1.116	1.395	930	1.488	4.343

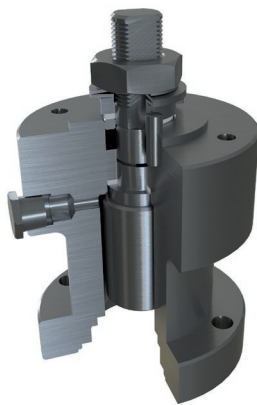
Pressure – Temperature Charts



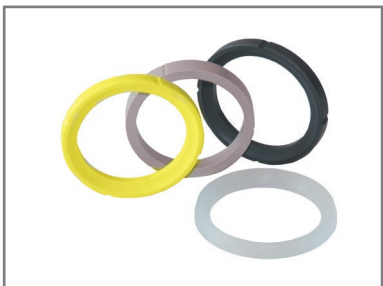
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Semi-Trunnion



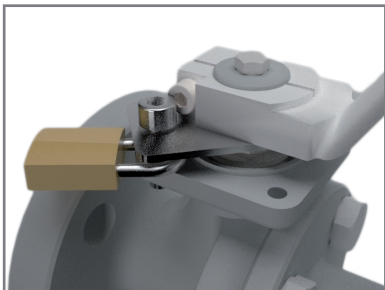
Stem Extension



Double Packing Stem Extension



Other Seat materials



Locking Device



Manual and Declutchable
Gears



Pneumatic or Hydraulic
Scotch Yoke Actuators



Valve Automation option
available on Request