

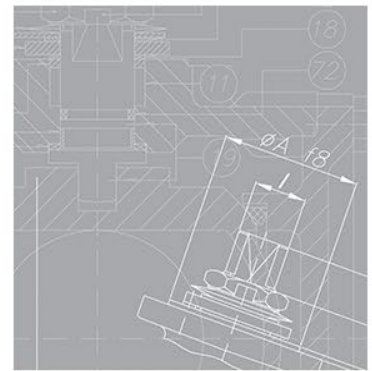
Technical Datasheet

DIN Ball Valves

1516
1540

JC
VALVES

The quality option



sales@jc-valves.com

www.jc-valves.com

DIN Ball Valves Semi-Trimunion



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 27
- Marking: EN 19 / CE - PED / MSS SP-25
- Pressure testing: EN 12266
- Shell finishing quality: MSS SP-55
- PAS 1085
- ISO 5211

Certifications

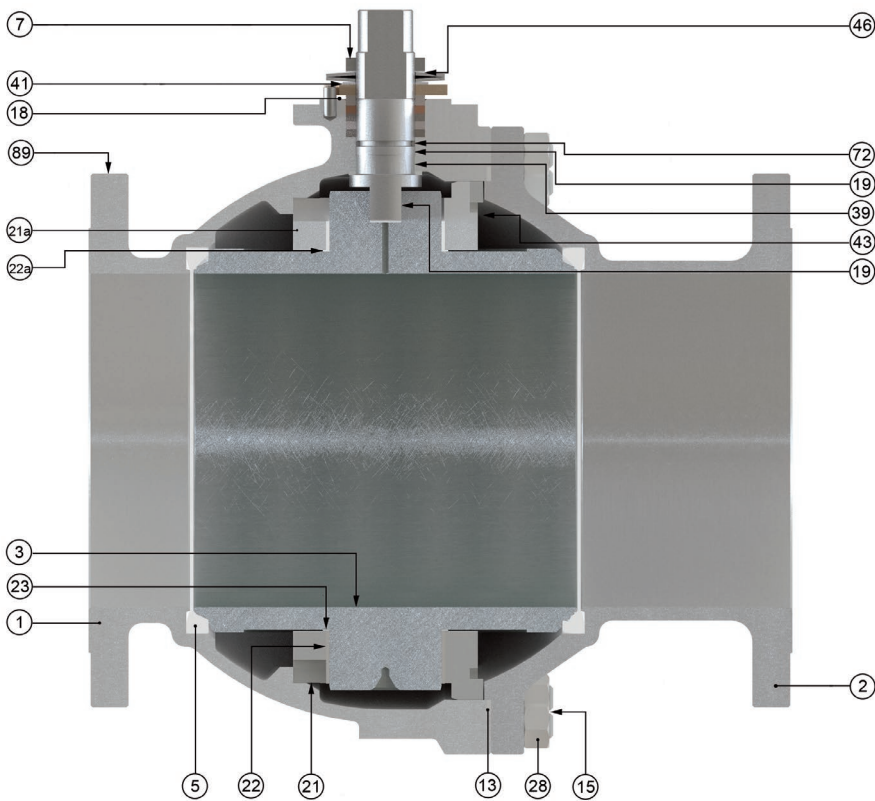
Company Certifications

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

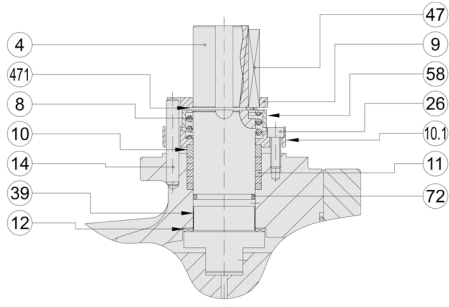
Product Certificates

- Fire Safe API 607, ISO 10497, API 6FA
- Fugitive Emissions TA-Luft / ISO 15848-1
- 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
- German type test certificate AR 216-21

DIN Ball Valves
Semi-Trunnion



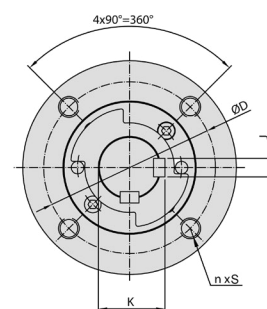
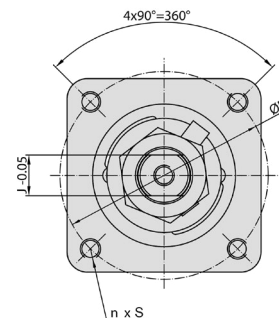
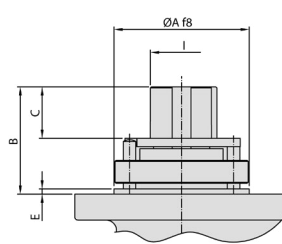
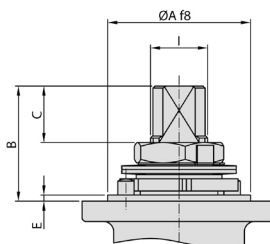
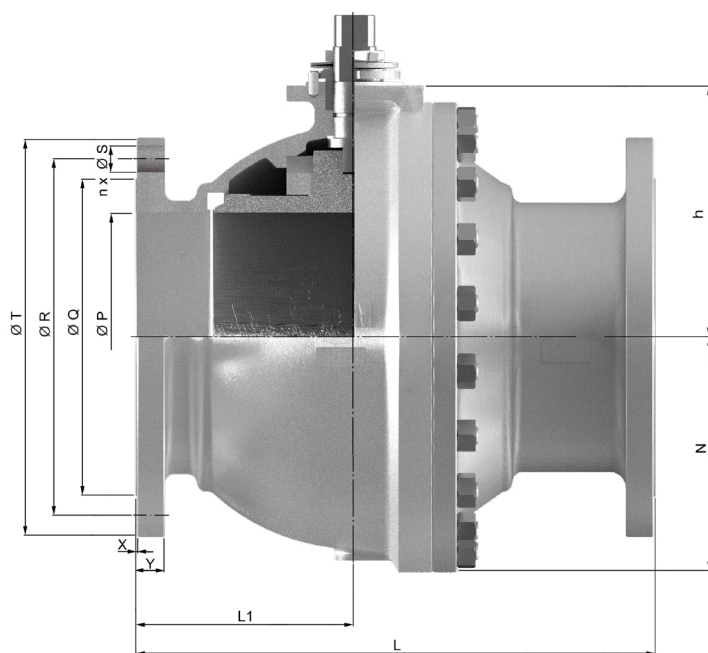
Only DN-300



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 ring	PTFE	
7	Gland nut	Zinc plated carbon steel	AISI 303
8	Disk spring	Zinc plated carbon steel	ASTM A666 Tp.301
9	Stop plate	Carbon St.	ASTM A276 Tp.304
10	Gland	Carbon St.	ASTM A479 Tp.304
10.1	Gland	AISI 303	ASTM A479 Tp.316
11	Gland packing	Graphite	
12	Stem thrust seal	25% G.F. PTFE	
13	Body connector seal	SPW ASTM A276 + 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	ASTM A276 Tp.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 A4-70
28	Nut	DIN 934 .8 Zinc Bichromated	DIN 934 A4
39	Stem bushing	PTFE + 50% SS	
41	Spacer	Carbon St.	Stainless St.
43	Key	ASTM A276 Tp.316	
46	Locking washer	ASTM A276 Tp.304	
47	Key	ASTM A276 Tp.316	
58	Spring protection	Carbon St.	Stainless St.
72	O-Ring	FKM	
89	Identification plate	ASTM A276 Tp.316	
471	Retainer	Carbon St.	Stainless St.

DIN Ball Valves Semi-Trunnion



Note:
Acc. EN 1092-1

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

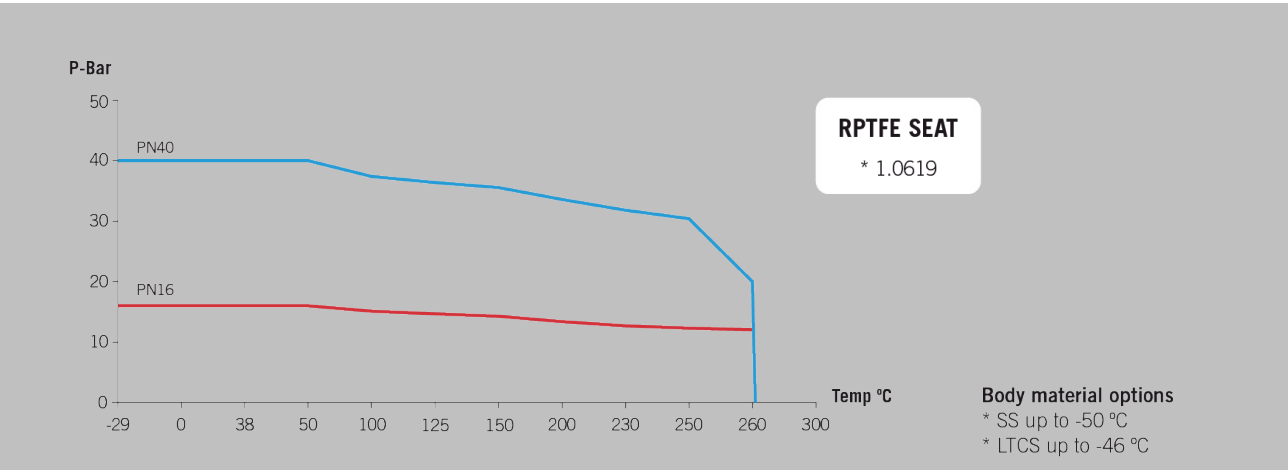
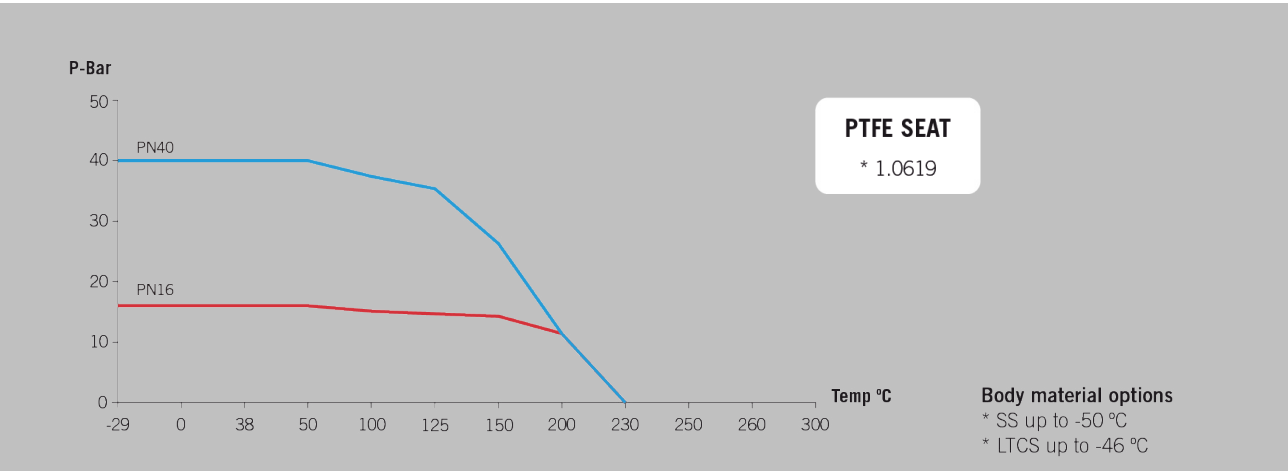
Differential Pressure 16 bar

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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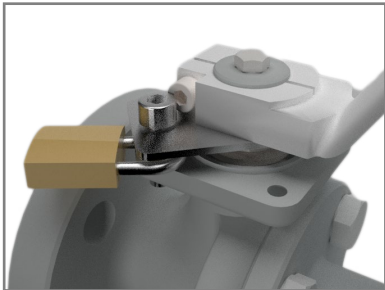
Standard Stem Extension



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