

Position	Description	Material
01	Body 1	A182 F316
02	Body 2	A182 F316
03	Ball	A182 F51
04	Seat	PEEK
05	Stem	A182 F51
06	Stem seal	PEEK
07	Stem packing	Graphite
14	Body seal 1	Graphite
19	Spring	Inconel X750
20	Antistatic ball	Inconel 625
22	Stop pin	S.S. AISI 316
31	Bearing	MU-316
32	Bearing disk	PTFE (modified)+FG
33	Support bearing	A182 F51
34	Body seal 2	FKM AED
35	O ring stem	FKM AED
41	Stud	A193 B8M
42	Nut	A194 8M
44a	Ring seat 1	A182 F51
44b	Ring seat 2	A182 F51
45	Spring seat	Inconel X750
46	Seat seal	Graphite
50	Subjection ring	S.S. AISI 420
86	Drain plug	S.S. AISI 316
86a	Vent plug	S.S. AISI 316
108	O ring seat	FKM AED
109	Cover seal	Graphite
110	Subjection ring seal	S.S. AISI 316 Nitrided
148	O ring cover	FKM AED
149	ISO cover	S.S. AISI 316
151	Body cover 1	S.S. AISI 316
153	ISO cover bolt	S.S. (316)
165	Stem bearing	PTFE (modified)+FG
170	O stop seal	PTFE (modified)+CG

**General features**

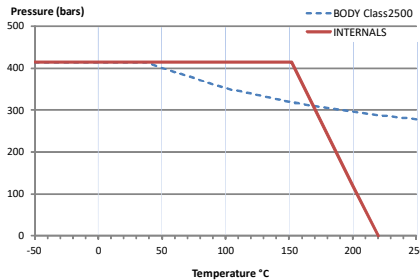
- Full trunnion.
- Three pieces.
- Full bore.
- Soft seat.
- Bidirectional.
- Spring loaded seat system.
- Anti Blow out proof stem.
- Anti static device.
- Self-cavity pressure relief.
- Double Block and Bleed.
- TA-LUFT.

**Standards**

- Top flange ISO 5211
- Flanges ANSI B16.5
- Face to face ANSI B16.10
- Design API 6D, B16.34
- Testing API 598, API 6D, BS 6755-1
- Materials according to NACE MR0175

**Official approvals**

- CERTIFICATE FIRE SAFE
- API 6D.
- ATEX 2014/34/EU
- PED 2014/68/EU
- SIL 3 CAPABLE



**PEKOS GROUP CERTIFICATES:**  
ISO 9001: 2015 / 2014/68/EU / API-6D



**DIMENSIONS & Technical information**

DN	CL	D	L	E	A	B	C	F	H	G	V	X	Y	Z	n x d	ISO 5211	Torque	MAST	Weight
2 1/2"	2500	52	508	265	105	197	64	179	336	551	36	27	35	50	8 x 32	F12	845	2356	154
3"	2500	62	578	305	127	229	74	184	355	562	36	27	35	44	8 x 35	F14-1	1255	2356	208
4"	2500	87	673	355	157	273	83	225	380	530	48	36	40	63	8 x 41	F16-1	1920	5585	340
6"	2500	131	914	485	216	368	114	308	440	670	72	55	70	83	8 x 54	F25	4885	19103	712
8"	2500	179	1022	550	270	438	133	328	482	687	72	55	70	83	12 x 54	F25	7610	19103	1859
10"	2500	223	1270	675	324	540	171	405	509	790	98	75	100	106	12 x 67	F30	9510	48235	2817
12"	2500	265	1422	762	381	619	191	471	509	856	120	32	67	200	12 x 73	F35	11140	29160	3892

\*\* Depending on service conditions.

\* Dimensions are in mm.

\* Torque & MAST are in Nm

\* Weight is in Kilograms

\* Torque values have been measured ΔP at maximum rating at room temperature