

| Position | Description          | Material               |
|----------|----------------------|------------------------|
| 01       | Body 1               | A182 F316              |
| 02       | Body 2               | A182 F316              |
| 03       | Ball                 | A182 F51               |
| 04       | Seat                 | DEVLON V               |
| 05       | Stem                 | A182 F51               |
| 06       | Stem seal            | PEEK                   |
| 07       | Stem packing 1       | Graphite               |
| 13       | Cover bolt           | S.S. (316)             |
| 14       | Body seal 1          | Graphite               |
| 19       | Spring               | S.S. AISI 316          |
| 20       | Antistatic ball      | S.S. AISI 316          |
| 22       | Stop pin             | S.S. AISI 316          |
| 31       | Bearing              | MU-316                 |
| 32       | Bearing disk         | PTFE (modified)+FG     |
| 33       | Support bearing      | S.S. AISI 316          |
| 34       | Body seal 2          | FKM                    |
| 35       | O ring stem          | FKM                    |
| 41       | Stud                 | A193 B8M               |
| 42       | Nut                  | A194 8M                |
| 44a      | Ring seat 1          | S.S. AISI 316          |
| 44b      | Ring seat 2          | S.S. AISI 316          |
| 45       | Spring               | Inconel X750           |
| 46       | Seat seal            | Graphite               |
| 50       | Subjection ring      | S.S. AISI 304          |
| 86       | Drain plug           | S.S. AISI 316          |
| 108      | O ring seat          | FKM                    |
| 109      | Cover seal           | Graphite               |
| 110      | Subjection ring seal | S.S. AISI 316 Nitrided |
| 148      | O ring cover         | FKM                    |
| 149      | ISO cover            | S.S. AISI 316          |
| 151      | Body cover 1         | S.S. AISI 316          |
| 152      | Body cover bolt      | S.S. (316)             |
| 153      | ISO cover bolt       | S.S. (316)             |
| 165      | Stem bearing         | PTFE (modified)+FG     |
| 170      | O stop seal          | PTFE (modified)+CG     |

**General features**

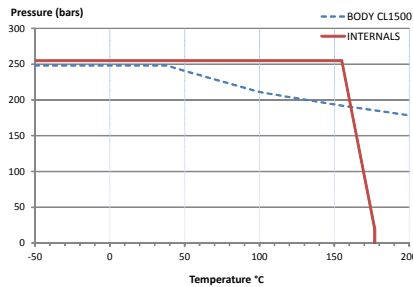
- Full trunnion.
- Three pieces.
- Full bore.
- Soft seat.
- Bidirectional.
- Spring loaded seat system.
- Anti Blow out proof stem.
- Anti static device.
- Self-cavity pressure relief.
- Double Block and Bleed.

**Standards**

- Top flange ISO 5211
- Flanges ANSI B16.5
- Face to face ANSI B16.10
- Testing API 598, API 6D, BS 6755-1
- Design API 6D, B16.34
- 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 9001-2008 / 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 |
|-----|------|-----|------|-----|-----|-----|-----|-----|-----|------|-----|----|-----|-----|---------|----------|--------|---------|--------|
| 3"  | 1500 | 75  | 473  | 265 | 168 | 203 | 57  | 175 | 271 | 496  | 36  | 27 | 35  | 50  | 8 x 32  | F12      | 880    | 2356,2  | 110    |
| 4"  | 1500 | 100 | 549  | 310 | 194 | 241 | 63  | 190 | 336 | 572  | 36  | 27 | 35  | 44  | 8 x 35  | F14-1    | 1365   | 2356,2  | 182    |
| 6"  | 1500 | 144 | 711  | 395 | 248 | 318 | 96  | 255 | 511 | 730  | 48  | 36 | 40  | 63  | 12 x 38 | F16-1    | 3360   | 5585,0  | 390    |
| 8"  | 1500 | 192 | 842  | 485 | 318 | 394 | 98  | 333 | 511 | 868  | 72  | 55 | 70  | 83  | 12 x 45 | F25      | 5230   | 19102,7 | 650    |
| 10" | 1500 | 239 | 1001 | 585 | 371 | 483 | 119 | 368 | 613 | 957  | 72  | 55 | 70  | 83  | 12 x 51 | F25      | 6580   | 19102,7 | 960    |
| 12" | 1500 | 287 | 1146 | 675 | 438 | 572 | 138 | 400 | 613 | 1009 | 72  | 55 | 70  | 83  | 16 x 54 | F25      | 7740   | 19102,7 | 1320   |
| 14" | 1500 | 315 | 1276 | 750 | 489 | 635 | 156 | 400 | 628 | 1009 | 98  | 75 | 100 | 106 | 16 x 60 | F30      | 13180  | 48235,0 | 1320   |
| 16" | 1500 | 360 | 1406 | 825 | 546 | 705 | 152 | 465 | **  | **   | 120 | 32 | 67  | 200 | 16 x 67 | F35      | 17500  | 32400   | 2360   |

\*\* Depending on service conditions. \* Dimensions are in mm. \* Torque & MAST are in Nm \* Weight is in Kilogram  
\* Torque values have been measured ΔP at maximum rating at room temperature