

Plunger Valve

FIG. 1308

Specifications

- Precisely control the pressure and flow, the flow characteristics shall be as linear as possible over the whole opening range.
- Use to prevent from the pressure heads and cavitation.
- Suit for potable or raw water.
- Main O-ring seal located on plunger.
- Four hard faced guides to support cylinder. The system has been proven to minimize wear compared to a three guide system.
- Flexible design accommodated many forms of valve actuation and control, such as manual operation or electric actuator.
- Rated Working Pressure 16 bar / 250 psi.

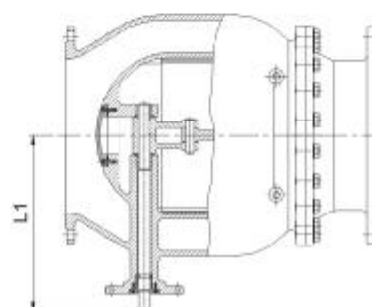
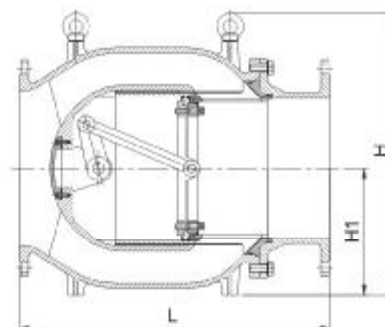
Corrosion Protection

- Fusion Bonded Coating Interior and Exterior.

Material Specification

| Part | Material | EN Specification | ASTM Specification |
|-------------------|-----------------|-----------------------|---------------------|
| Body | Ductile Iron | EN 1563 EN-GJS-450-10 | A536 Grade 65-45-12 |
| Piston Guide Rail | Stainless Steel | EN 10213 GX5CrNi19-10 | A351 Grade CF8 |
| Piston | Stainless Steel | EN 10213 GX5CrNi19-10 | A351 Grade CF8 |
| Valve Sealing | Rubber | EN 681 EPDM | D2000 EPDM |
| Seat | Stainless Steel | EN 10213 GX5CrNi19-10 | A351 Grade CF8 |
| Stem | Stainless Steel | EN 10088 X5CrNi18-10 | A276 Type 304 |
| Plug | Ductile Iron | EN 1563 EN-GJS-450-10 | A536 Grade 65-45-12 |

Schematic



Main Dimensions (mm)

| Size | DN200 | DN250 | DN300 | DN400 | DN500 | DN600 | DN800 | DN1000 | DN1200 | DN1400 | DN1600 | DN1800 | DN2000 | DN2400 |
|------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| L | 400 | 500 | 600 | 800 | 1000 | 1200 | 1600 | 2000 | 2400 | 2800 | 3200 | 3600 | 4000 | 4800 |
| L1 | 240 | 290 | 335 | 455 | 527 | 685 | 1000 | 1175 | 1410 | 1595 | 1880 | 2115 | 2350 | 2820 |
| H | 455 | 545 | 595 | 790 | 935 | 1095 | 1260 | 1575 | 1890 | 2205 | 2520 | 2835 | 3150 | 3780 |
| H1 | 196 | 239 | 264 | 350 | 405 | 491 | 520 | 650 | 780 | 895 | 1040 | 1170 | 1300 | 1560 |

Notes

- Designs, materials and specifications shown are subject to change without notice due to the continuous development of our products.