



VTZ VALVES AND AUTOMATION

(An ISO 9001:2015 Certified Company)



Forged Steel Check Valve



Our Forged range of Gate, Globe and Check Valves incorporates state of the art design features to provide a rugged construction, reliable operation and long life; suitable for all the segments of the process industries including petrochemicals, pharma, steel, alumina, power plants and common utilities.

Applications

- | | |
|--|--|
| <ul style="list-style-type: none"> • Steam Service • Oil & Gas • Petrochemicals • Power Plants • Chemical Fertilizers • Sugar & Distillation | <ul style="list-style-type: none"> • Metal & Mining • Paper & Pulp • Water & Waste Water • Textile & Tannery • Food & Pharmaceuticals |
|--|--|

Special Features:

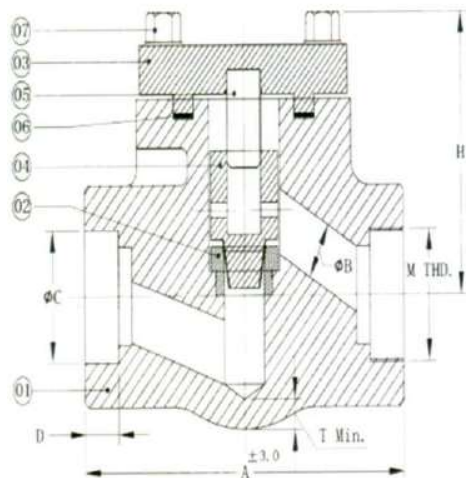
1. Body and Bonnet made from High Quality Forging
2. The Forgings are precision machined for high performance
3. Leak Proof Body-Bonnet Joint with Spiral Wound Gasket.
4. Piston-type body guide Disc. Perfect alignment of Disc & Seat Ring
5. Ground Finish Stem. Self-Aligning two-piece gland.
6. Compact design but extremely sturdy design for High Pressure and High Temperature service. Bolted cover design easy to cover

Technical Data

- Design Std: ISO 15761/API 602/BS 5352/ASME B16.34
- Testing Standard: API 598
- Face to Face Standard: Manufacturer's Standard
- Socket Weld Standard: ASME B16.11
- Screwed End Standard: ASMBE B1.20.1
- Butt Weld Standard: ASME B16.25
- Flange End Standard: ASME B16.5

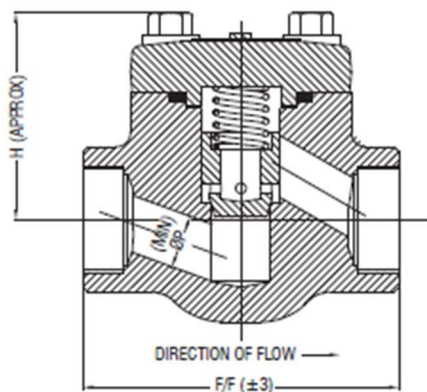
Check Valve Cracking Pressure

| Size | Piston Type | Y Pattern Piston Type |
|------|---------------|-----------------------|
| | Spring Loaded | Spring Loaded |
| 15mm | 0.7 Bar | 0.7 Bar |
| 20mm | 0.7 Bar | 0.7 Bar |
| 25mm | 0.7 Bar | 0.7 Bar |
| 40mm | 0.7 Bar | 0.7 Bar |
| 50mm | 0.7 Bar | 0.7 Bar |



| Part No. | DESCRIPTION | MATERIAL |
|----------|-------------|----------------------|
| 01 | BODY | ASTM A105 |
| 02 | SEAT RING | AISI 410 + STELLITED |
| 03 | COVER | ASTM A105 |
| 04 | PLUG | ANSI 410 + STELLITED |
| 05 | GUIDE STEM | ANSI 410 |
| 06 | GASKET | SPIRAL GRAFOIL |
| 07 | HEX. BOLT | ASTM A 193 Gr. B7 |
| 08 | NAME PLATE | STAINLESS STEEL |

DIMENSION DETAILS (MM)

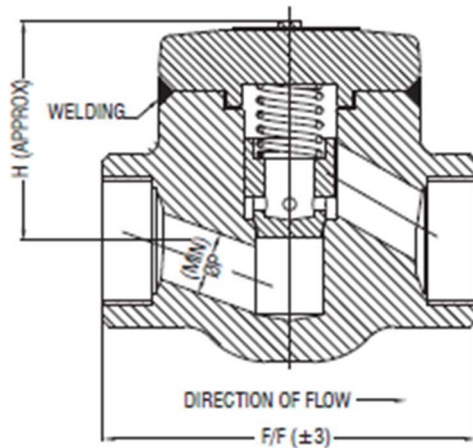


BOLTED DESIGN

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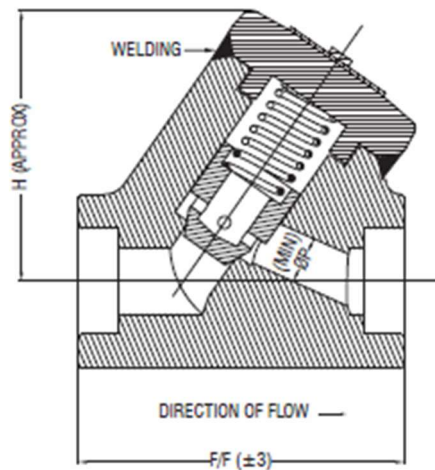
| 1500# | 15mm (1/2") | 20mm (3/4") | 25mm (1") | 32mm (1- 1/4") | 40mm (1- 1/2") | 50mm (2") |
|---------------------------|------------------------|------------------------|----------------------|-------------------------------|-------------------------------|----------------------|
| F/F | 80 | 100 | 145 | 145 | 160 | 172 |
| ΦP | 8.5 | 9.5 | 14.5 | 20.5 | 25.5 | 36.5 |
| H | 53 | 56 | 66 | 86 | 86 | 104 |
| Approx. Weight (kg) | 1.2 | 2 | 4.8 | 4.6 | 7.2 | 10.5 |

* In process of continuous improvement of products, the data given herein is subject to change.



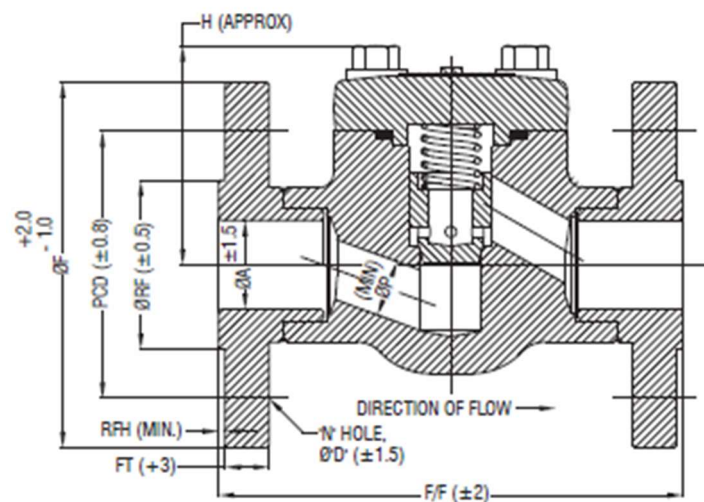
WELDED DESIGN

| 2500# | 15mm (1/2") | 20mm (3/4") | 25mm (1") | 32mm (1-1/4") | 40mm (1-1/2") | 50mm (2") |
|---|------------------------|------------------------|----------------------|--------------------------|--------------------------|----------------------|
| F/F (mm) | 100 | 145 | 160 | 172 | 172 | - |
| ΦP (mm) | 7 | 12.5 | 15.5 | 21.5 | 26.5 | - |
| H (mm) | 66 | 86 | 104 | 127 | 127 | - |
| Approx. Weight (kg) | 2 | 4.6 | 7.2 | 10.6 | 10.6 | - |
| * In process of continuous improvement of products, the data given herein is subject to change. | | | | | | |



Y TYPE WELDED DESIGN

| 2500# | 15mm (1/2") | 20mm (3/4") | 25mm (1") | 32mm (1-1/4") | 40mm (1-1/2") | 50mm (2") |
|---|------------------------|------------------------|----------------------|--------------------------|--------------------------|----------------------|
| F/F(mm) | 85 | 100 | 105 | 145 | 145 | 145 |
| ΦP(mm) | 7 | 12.5 | 15.5 | 21.5 | 26.5 | 27 |
| H (mm) | 72 | 80 | 86 | 118 | 118 | 124 |
| Approx. Weight (kg) | 1.3 | 2.1 | 2.8 | 7.1 | 7 | 9.5 |
| * In process of continuous improvement of products, the data given herein is subject to change. | | | | | | |



FLANGE END DESIGN



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| 150# | 15mm (1/2") | 20mm (3/4") | 25mm (1") | 32mm (1-1/4") | 40mm (1-1/2") | 50mm (2") |
|-----------------------|------------------------|------------------------|----------------------|--------------------------|--------------------------|----------------------|
| F/F | 108 | 117 | 127 | 140 | 165 | 203 |
| ΦP | 9.5 | 12.7 | 17.5 | 23.8 | 28.6 | 36.5 |
| ΦA | 15.7 | 20.9 | 26.7 | 35 | 40.9 | 52.5 |
| ΦF | 90 | 100 | 110 | 115 | 125 | 150 |
| FT | 9.6 | 11.2 | 12.7 | 14.3 | 15.9 | 17.5 |
| ΦRF | 34.9 | 42.9 | 50.8 | 63.5 | 73 | 92.1 |
| RFH | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| PCD | 60.3 | 69.9 | 79.4 | 88.9 | 98.4 | 120.7 |
| Approx Weight (Kg) | 1.7 | 1.9 | 3.6 | 3.8 | 7.4 | 11.6 |

*Flange End Valve also available in #300, #600 & Above Class on Request.

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