

# Series 2483

## Forged Piston Check Valve

### Features

- Class 800
- Socket weld ends carbon steel or 316L stainless steel
- Threaded ends carbon Steel or 316 stainless steel
- Bolted bonnet
- NACE MR-0175
- Applicable Standards
  - Basic Design API 602
  - Socket Weld ANSI 16.11
  - Threaded ANSI B1.20.1
  - Test API 598

### Technical Information

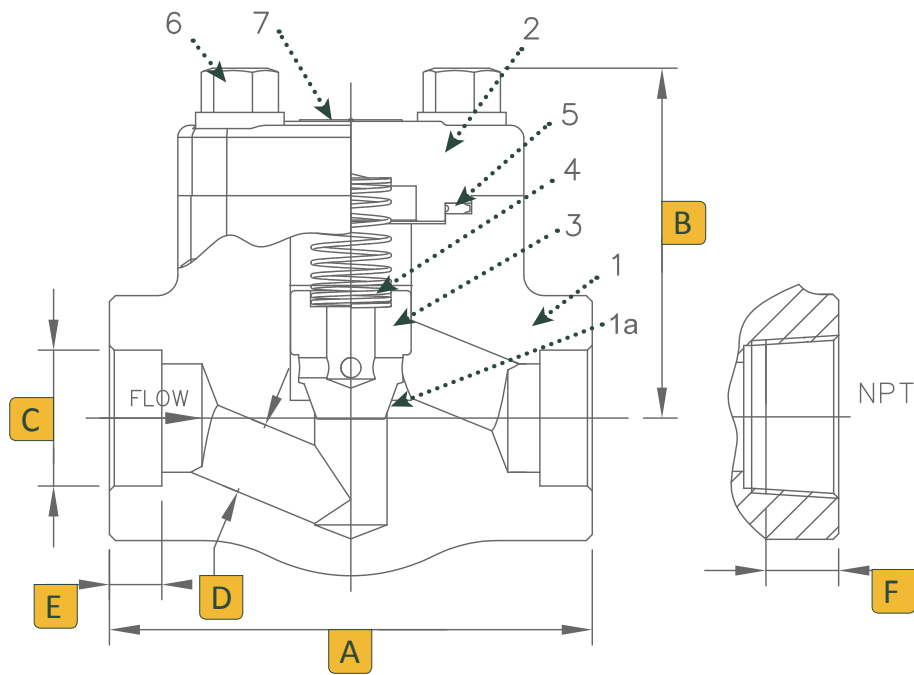
| Size  | Cv  | Weight |
|-------|-----|--------|
| 1/4   | 1.5 | 3.4    |
| 3/8   | 2   | 3.3    |
| 1/2   | 2   | 3.3    |
| 3/4   | 3   | 3.9    |
| 1     | 6   | 5.8    |
| 1-1/4 | 14  | 9.2    |
| 1-1/2 | 14  | 9.2    |
| 2     | 25  | 23.1   |

| Temperature °F | 316L Pressure psi | 316 Pressure psi | Carbon Pressure psi |
|----------------|-------------------|------------------|---------------------|
| -20 to 100     | 1600              | 1920             | 1975                |
| 200            | 1350              | 1655             | 1800                |
| 300            | 1210              | 1495             | 1750                |
| 400            | 1100              | 1370             | 1690                |
| 500            | 1020              | 1275             | 1595                |
| 600            | 960               | 1205             | 1460                |
| 650            | 935               | 1185             | 1430                |
| 700            | 915               | 1150             | 1420                |
| 750            | 895               | 1130             | 1345                |
| 800            | 875               | 1105             | 1100                |
| 850            | 860               | 1080             | -                   |
| 900            | -                 | 1050             | -                   |
| 950            | -                 | 1030             | -                   |
| 1000           | -                 | 970              | -                   |



Valves, Automation & Controls





Dimensions (Inches)

| Size  | A    | B    | C    | D    | E    | F    |
|-------|------|------|------|------|------|------|
| 1/4   | 3.11 | 2.40 | 0.55 | 0.24 | 0.39 | 0.40 |
| 3/8   | 3.11 | 2.40 | 0.69 | 0.28 | 0.39 | 0.43 |
| 1/2   | 3.11 | 2.40 | 0.85 | 0.39 | 0.39 | 0.53 |
| 3/4   | 3.58 | 2.40 | 1.07 | 0.51 | 0.51 | 0.55 |
| 1     | 4.37 | 3.07 | 1.33 | 0.71 | 0.51 | 0.69 |
| 1-1/4 | 4.72 | 3.23 | 1.68 | 0.87 | 0.51 | 0.71 |
| 1-1/2 | 5.98 | 4.02 | 1.92 | 1.18 | 0.51 | 0.72 |
| 2     | 6.77 | 4.72 | 2.40 | 1.38 | 0.63 | 0.76 |

| No. | Part Name    | Qty | Material  |
|-----|--------------|-----|---|
| 1   | Body         | 1   | 316L Stainless Steel ASTM A182 or 316 Stainless Steel ASTM A182 or Carbon Steel ASTM A105 |
| 1A  | Seat Surface | 1   | Stellite  |
| 2   | Cover        | 1   | 316L Stainless Steel or Carbon Steel ASTM A105*   |
| 3   | Piston       | 1   | 316 Stainless Steel or 410 Stainless Steel *  |
| 4   | Spring       | 1   | 316 Stainless Steel or 304 Stainless Steel*   |
| 5   | Gasket       | 1   | 316 + Graphite or 304 + Graphite*   |
| 6   | Body Bolt    | 4   | B8M Steel ASTM A193 or B7M Steel ASTM A193*   |
| 7   | Name Plate   | 1   | Aluminum  |

\* Used on Carbon Steel Valves

## Ordering

Fig: 1/2 - 2483 - 6 - TE

Description: 1/2" - Series 2483 - 316 Stainless Steel - Threaded Ends

| Size  | Series | Body                        | Ends           |
|-------|--------|-----------------------------|----------------|
| 1/4   | 2483   | 4 Carbon Steel (Trim 8)     | TE Threaded    |
| 3/8   |        | 6 Stainless Steel (Trim 12) | SW Socket Weld |
| 1/2   |        |                             |                |
| 3/4   |        |                             |                |
| 1     |        |                             |                |
| 1-1/4 |        |                             |                |
| 1-1/2 |        |                             |                |
| 2     |        |                             |                |

Due to continuous development of our product range, we reserve the right to change the dimensions and information for this product as required.