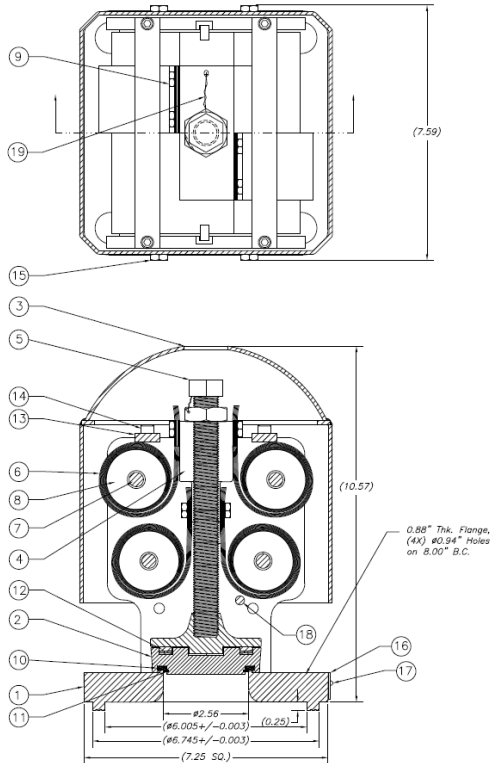




# Pressure Relief Valve PC280.5HS



| Valve Model            | PC280.5HS       |
|------------------------|-----------------|
| Set Pressure (psig)    | 280.5           |
| Orifice Diameter (in)  | 2.56            |
| Flow Area (sq. in)     | 5.14            |
| Weight (lbs.)          | 43              |
| Flow Rate @ 308.5 psig | 23,396 SCFM     |
| Height (in)            | 10.82           |
| Flange Thickness (in)  | 0.875           |
| Number of Bolt Holes   | 4               |
| Bolt Hole Size (in)    | 0.94            |
| Bolt Circle (in)       | 8.00            |
| Interface Options      | Tongue & Groove |
| Number of Springs      | 53              |

|        |      |                           | PC280.5HS                |
|--------|------|---------------------------|--------------------------|
|        |      |                           | PRD172102                |
| ITEM # | QTY. | DESCRIPTION               | MATERIAL                 |
| 1      | 1    | Body Assembly             | Stainless Steel – 316L   |
| 2      | 1    | Sealing Disc              | Stainless Steel          |
| 3      | 1    | Cover                     | Carbon Steel             |
| 4      | 1    | Spring Block Assembly     | Stainless Steel          |
| 5      | 1    | Adjustment Screw Assembly | Stainless Steel - 416    |
| 6      | 8    | Spring Drum Assembly      | Stainless Steel          |
| 7      | 4    | Drum Bolt                 | Stainless Steel          |
| 8      | 4    | Spring Drum               | Nylon 6/6                |
| 9      | 16   | Spring Bolt               | Stainless Steel          |
| 10     | 1    | Seal*                     | Elastomer                |
| 11     | 1    | Spirolox Ring             | Stainless Steel          |
| 12     | 1    | Needle Bearing            | Hardened Steel           |
| 13     | 2    | Spring Bracket Brace      | Stainless Steel          |
| 14     | 4    | Brace Bolt                | Stainless Steel          |
| 15     | 4    | Cover Bolt                | Carbon Steel/Zinc Plated |
| 16     | 1    | Name Plate                | Aluminum                 |
| 17     | 2    | Nameplate Rivet           | Stainless Steel          |
| 18     | 1    | Lift Stop                 | Stainless Steel          |
| 19     | 1    | Wire/Seal                 | Stainless Steel/Lead     |

\*Under Service Trial – ST 468

Patent#: US 9,568,146

Seal material composition based on specification

Other Sealing options available

Note: Mounting flange gasket not supplied

\*Alternate Materials Available

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