

## FEATURES & SPECIFICATIONS

- Automatic reduces the higher inlet pressure to a steady lower downstream pressure, regardless of fluctuating demand or varying upstream pressure
- Pilot-operated regulator capable of holding downstream pressure to a pre-determined limit. The main valve and pilot valve will close when the downstream pressure exceeds the setting of the control pilot
- Full bore globe pattern design for superior control characteristic
- Nylon reinforced diaphragm for long-lasting performance
- Durable fusion bonded epoxy coated
- Flange drilled to EN 1092-2 PN16 / EN 1092-2 PN25 / ANSI Class 150
- Design comply with EN 1074-5

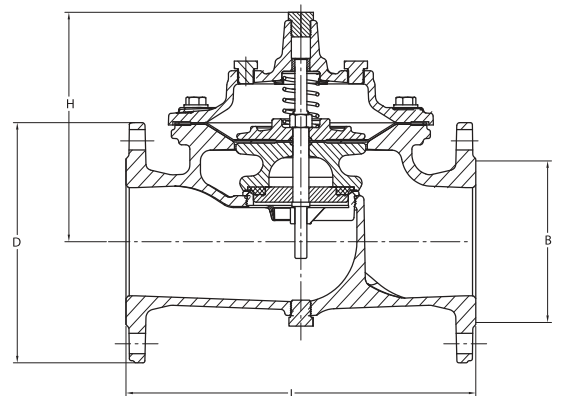


## PRESSURE & TEMPERATURE RATINGS

|                            |  |         |
|----------------------------|--|---------|
| Working Pressure           | 16bar  | 25bar   |
| Shell Test Pressure (x1.5) | 24bar  | 37.5bar |
| Seat Test Pressure (x1.1)  | 17.6bar  | 27.5bar |
| Working Temperature        | -20°C ... 110°C (EPDM)<br>-10°C ... 80°C (NBR) |         |
| Suitable Media             | Water  |         |
| Setting Range              | 1 ... 12bar                                    |         |

## MATERIAL SPECIFICATIONS

| Part          | Material                | Standard            |
|---------------|-------------------------|---------------------|
| Body          | Ductile Iron            | EN-JS 1050          |
| Bonnet        | Ductile Iron            | EN-JS 1050          |
| Plug          | Stainless Steel 304     | AISI 304            |
| Stem          | Stainless Steel 304     | AISI 304            |
| Seat          | Stainless Steel 304     | AISI 304            |
| Seat Retainer | Stainless Steel 304     | AISI 304            |
| Spring        | Stainless Steel 304     | AISI 304            |
| Diaphragm     | Nylon Reinforced Rubber | EPDM + Nylon Fabric |
| Seal Ring     | Rubber                  | EPDM                |
| O-Ring        | Rubber                  | NBR                 |



## DIMENSIONS

| DN | (mm)   | 50  | 65  | 80  | 100 | 125 | 150 | 200 | 250 | 300 | (mm) |
|----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|    | (inch) | 2   | 2½  | 3   | 4   | 5   | 6   | 8   | 10  | 12  |      |
| L  |        | 230 | 290 | 310 | 350 | 400 | 480 | 600 | 730 | 850 |      |
| H  |        | 177 | 202 | 219 | 243 | 243 | 333 | 428 | 478 | 538 |      |
| D  |        | 165 | 185 | 200 | 220 | 250 | 285 | 340 | 405 | 460 |      |
| B  |        | 99  | 118 | 132 | 156 | 156 | 211 | 266 | 319 | 370 |      |

# PRESSURE REDUCING VALVE

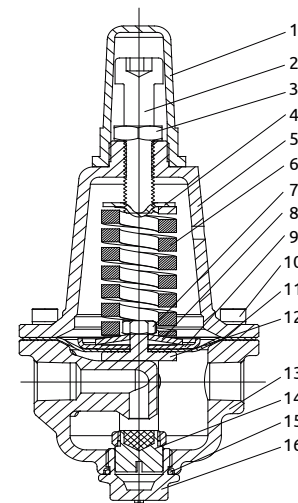
PN16 F6316-PPR  
PN25 F6325-PPR



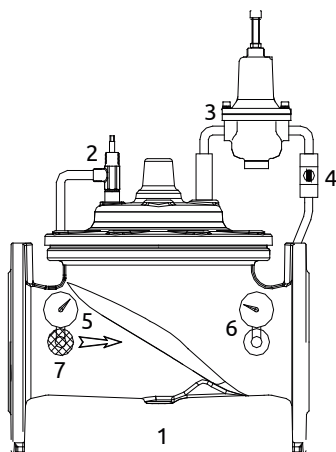
## PILOT VALVE SPECIFICATION

| No. | Description     | Material            |
|-----|-----------------|---------------------|
| 1   | Cap             | ABS Plastic         |
| 2   | Adjusting Screw | Stainless Steel 304 |
| 3   | Jam Nut         | Stainless Steel 304 |
| 4   | Spring Table    | Stainless Steel 304 |
| 5   | Bonnet          | Stainless Steel 304 |
| 6   | Spring          | Spring Steel        |
| 7   | Nut             | Stainless Steel 304 |
| 8   | Spring Table    | Spring Steel        |
| 9   | Fixing Holder   | Stainless Steel 304 |

| No. | Description | Material                   |
|-----|-------------|----------------------------|
| 10  | Screw       | Stainless Steel 304        |
| 11  | Diaphragm   | Nylon Reinforced EPDM      |
| 12  | Yoke        | Stainless Steel 304        |
| 13  | Body        | Stainless Steel 304        |
| 14  | Disc        | Stainless Steel 304 + EPDM |
| 15  | O-Ring      | NBR                        |
| 16  | Plug        | Stainless Steel 304        |



## VALVE COMPOSITION



|   |                       |
|---|-----------------------|
| 1 | Main Valve            |
| 2 | Needle Valve          |
| 3 | Pilot Valve (P200)    |
| 4 | Ball Valve            |
| 5 | Inlet Pressure Gauge  |
| 6 | Outlet Pressure Gauge |
| 7 | Strainer              |

## TYPICAL CONNECTION

