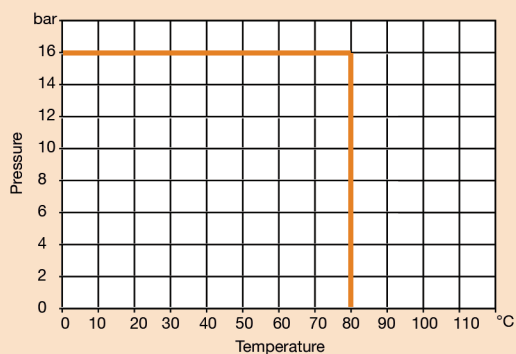


## PN16 Solenoid On/Off Control Valve

### Features

- Automatic Control Valve
- Suitable for Potable Water Applications
- WRAS Approved Epoxy Coated Body
- Conforms to BS EN 558-1 Series 1
- Flange Conforms to BS EN 1092 PN16
- Available Flanged PN25
- Stainless Steel Pilot Tubing and Valves, Brass Pilot Solenoid Valve
- Normally Closed and Normally Open Option

### Pressure/Temperature



| DN  | 50        | 65        | 80        | 100       | 125       | 150       | 200        | 250        | 300        |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|
| L   | 230       | 290       | 310       | 350       | 400       | 480       | 600        | 730        | 850        |
| E   | 165       | 185       | 200       | 220       | 250       | 285       | 340        | 405        | 460        |
| C   | 125       | 145       | 160       | 180       | 210       | 240       | 295        | 355        | 410        |
| n-d | 4-<br>Ø19 | 4-<br>Ø19 | 8-<br>Ø19 | 8-<br>Ø19 | 8-<br>Ø19 | 8-<br>Ø23 | 12-<br>Ø23 | 12-<br>Ø28 | 12-<br>Ø28 |
| B   | 265       | 300       | 310       | 320       | 350       | 385       | 440        | 505        | 560        |
| H   | 365       | 385       | 400       | 420       | 450       | 485       | 540        | 605        | 660        |
| H1  | 282       | 293       | 300       | 310       | 325       | 342       | 370        | 402        | 430        |
| Kgs | 12.0      | 16.0      | 22.0      | 29.0      | 64.0      | 68.0      | 131.0      | 314.0      | 418.0      |

| N. | Part Name        | Materials           |
|----|------------------|---------------------|
| 1  | Body             | Ductile Iron        |
| 2  | Stem             | Stainless Steel 304 |
| 3  | Seat             | Stainless Steel 304 |
| 4  | O-Ring           | NBR                 |
| 5  | Disc Ring        | NBR                 |
| 6  | Disc Retainer    | Ductile Iron        |
| 7  | Disc Guide       | Ductile Iron        |
| 8  | Diaphragm        | EPDM                |
| 9  | Diaphragm Washer | Ductile Iron        |
| 10 | Spring           | Stainless Steel 304 |
| 11 | Cover Bearing    | Stainless Steel 304 |
| 12 | Screw            | Stainless Steel 304 |
| 13 | Washer           | Stainless Steel 304 |
| 14 | Strainer         | Stainless Steel 304 |
| 15 | Solenoid Valve   | Brass               |
| 16 | Cover            | Stainless Steel 304 |
| 17 | Plug             | Stainless Steel 304 |
| 18 | Ball Valve       | Stainless Steel 304 |

### Technical Data

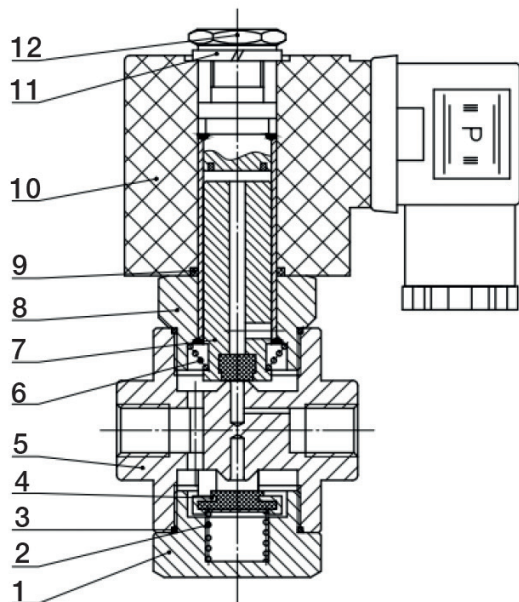
|                     |              |
|---------------------|--------------|
| Max Pressure        | 16 Bar       |
| Working Temperature | 0°C to +80°C |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

## Pilot Valve Detail - ART 6650 NC / ART 6675 NO

## Pilot Valve



| N. | Part Name           | Materials           |
|----|---------------------|---------------------|
| 1  | Nut                 | HPb59-1             |
| 2  | Spring              | Stainless Steel 304 |
| 3  | O-Ring              | NBR                 |
| 4  | Part Sub-assembling | ABS                 |
| 5  | Body                | HPB59-1             |
| 6  | Spring              | Stainless Steel 304 |
| 7  | Part Sub-assembling | ABS + NBR           |
| 8  | Part Sub-assembling | ABS + NBR           |
| 9  | O-Ring              | NBR                 |
| 10 | Coil                | Copper + PVF        |
| 11 | Gasket              | 65Mn                |
| 12 | Nut                 | A3                  |

## Flow curve of the main valve at fully open status

