Data Sheet

Gauge Valve - V02 Series
Block and Bleed Manifold

FEATURES
- Isolates and bleeds process from instrument assembly pressure for instrument maintenance
- 316L Stainless Steel construction
- Support mounting brackets available

TYPICAL USES
- Oil & Gas Industry
  - Upstream: Onshore/offshore production
  - Midstream: Transport, storage and natural gas compression
  - Downstream: Refineries and petrochemical industries
- Chemical Industry
- Power Plants
  - Conventional power plants
  - Nuclear power plants
  - Flue gas desulfurization plants
- Other Industries
  - Waste incineration plants
  - Seawater desalination plants
  - Steel mills
  - Cement plants

SPECIFICATIONS

| Process Connection: | Style A ½ NPT male |
|                    | Style B ½ NPT female |
|                    | Style C ½ NPT female |

| Instrument Connection: | ½ NPT female |

| Construction: | 316 Stainless Steel |

| Max. Pressure Rating: | 420 bar at 38 °C (6092 psi at 100 °F) |
| More details, check chart below |

| Max. Temperature Rating for: |
| PTFE | 232 °C (450 °F) |
| Graphite | 550 °C (1.022 °F) |
| Oxygen service | 200 °C (392 °F) |

| Min. Temperature Rating for: |
| PTFE | -40°C (-40 °F) |
| Graphite | -40°C (-40 °F) |

COMPONENTS MATERIAL

| Wetted | MATERIAL |
| Body | 1.4404 (316L) |
| Valve stem | 1.4404 (316L) |
| Needle tip | 1.4571 (316Ti) |
| Packing | PTFE or Graphite |
| Gland nut | 1.4301 (304) |
| Screw Plug | 1.4404 (316L) |

| Non-Wetted | MATERIAL |
| Bonnet | 316 (1.4401) |
| T-handle | Stainless Steel |

1) Style B, C only

Available for oxygen service
- Color-coded dust caps prevent dust ingress and identifies handle function
- PTFE Packing (other materials available upon request)
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Supplied with wetted parts according to NACE MR0175/MR0103 (CD-5 Certificate)
- Material traceability reports available per EN 10204 3.1
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DIMENSIONS (DIMENSIONS IN [ ] ARE DECIMAL INCHES)

Option TM - 2" Pipe Mounting Bracket (DIMENSIONS IN [ ] ARE DECIMAL INCHES)

Pos.  Description                          Material
1      Mounting bracket                    1.4571 (316Ti)
2      Bracket                             1.4571 (316Ti)
3      Socket head cap screw               A4
       ISO 4762 -M6x10                        
4      U-bolt M8 for 2" pipe              A4
5      Washer 8.4 DIN 128-B               A4
6      Hexagon nut                         A4
       DIN EN 24032-M8

1/4-18 NPT
1/2-14 NPT
1/2-14 NPT

Across Flats 1/4

Style A (In-line)

Style B (L-Shape)

Style C (Y-Shape)
# Gauge Valve - V02 Series
## Block and Bleed Manifold

### ORDERING CODE

<table>
<thead>
<tr>
<th>Example</th>
<th>Process Connection</th>
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<tbody>
<tr>
<td>04 V02 2V A SS 50 C3</td>
<td>04</td>
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</table>

- **Process Connection**
  - (04) ½ NPT Male (Style A only)
  - (06) ¾ NPT Male (Style A only)
  - (25) ¼ NPT Female
  - (50) ½ NPT Female

- **Series Code**
  - (V02) Valve Series V02

- **Valves**
  - (2V) 2 Valve

- **Version**
  - (A) Style A (In-line)
  - (B) Style B (L-Shape)
  - (C) Style C (Y-Shape)

- **Material**
  - (SS) Stainless steel 1.4404 (316L)
  - (PM) Monel 400 (2.4360)
  - (HH) Hastelloy C-276

- **Instrument Connection**
  - (04) ½ NPT Male (Style A only)
  - (25) ¼ NPT Female
  - (50) ½ NPT Female

- **Options**
  - (HT) Graphite bonnet for high temperature
  - (TM) 2" Pipe mounting bracket
  - (C3) Material Traceability Report acc. to EN 10204 3.1
  - (CD5) Certificate according to NACE for Oilfields MR0175/ISO 15156-2009 and for Raffineries MR0103-2010
  - (HY) Hydrostatic Testing
  - (P7) Power piping acc. to ASME B31.1
  - (PN700) High pressure (10,000 psi / 689 bar)
  - (6B) Cleaned for Oxygen Service
  - (NH) Stainless Steel Tags