Features

- Heavy duty 316L stainless steel construction, internal and external, for use in corrosive environments
- Suitable for use in potentially explosive atmospheres per ATEX directive 94/9/EC
- SIL 2 Certified per IEC 61508
- Compliant with NACE MR 0175 requirements
- High flow design and better control on regulation
- Built-in overpressure relieving function
- Manual and auto-drain constructions available

General

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
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<tbody>
<tr>
<td>Media</td>
<td>Compressed Air, Sour Gas</td>
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<tr>
<td>Inlet/Outlet Port</td>
<td>1/4&quot; NPT - 1/2&quot; NPT</td>
</tr>
<tr>
<td>Gauge Port</td>
<td>1/4&quot; NPT</td>
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<tr>
<td>Pressure Relief Port</td>
<td>1/8&quot; NPT</td>
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<tr>
<td>Maximum Supply Pressure</td>
<td>290 PSI</td>
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<tr>
<td>Adjustable Pressure</td>
<td>7 - 145 PSI</td>
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<td>Hysteresis</td>
<td>&lt; 2.9 PSI</td>
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Construction

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<tr>
<th>Feature</th>
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<th>Nace</th>
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<tr>
<td>Body</td>
<td>316L Stainless Steel</td>
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<tr>
<td>Bowl</td>
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<tr>
<td>Filtering Element</td>
<td>316L Stainless Steel</td>
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<tr>
<td>Diaphragm and Seal</td>
<td>FKM</td>
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<td>Springs</td>
<td>17-7 PH Stainless Steel</td>
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Spare Parts Kits

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
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<tr>
<td>25 Microns - 1/4&quot; &amp; 1/2&quot;</td>
<td>C325305*</td>
</tr>
<tr>
<td>5 Microns - 1/4&quot; &amp; 1/2&quot;</td>
<td>C325307*</td>
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<td>Stainless Steel Gauge</td>
<td>C325316</td>
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<tr>
<td>Mounting Bracket</td>
<td>C117813</td>
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</table>

*Spares parts kits include: o-rings, seal, diaphragm assembly, and filter element.

Options

Auto drain with 1/8" NPT connection (AN)
Low Ambient Temperature: - 58°F (- 50°C) (Suffix LT)
Stainless Steel Gauge: 0 – 160 PSI (0 – 11 Bar) (Suffix G)
Stainless Steel Gauge for 58°F (-50°C) service (Suffix LTG)
Mounting Bracket (Suffix MB)

Nominal Ambient Temp. Ranges
Standard: - 40°F to 176°F (- 40°C to 80°C)
Optional (Suffix LT): - 58°F to 176°F (- 50°C to 80°C)

Ordering
Standard Ambient Version: 342A8401GMB
Low Temperature Version: 342A8401LTGMB
Auto Drain: 342A8401ANGMB

Approvals
ATEX II 2G/D c IIC X T100°C (T5)
ZONE 1-21
Explosion group IIC
SIL 2 certified per EIC 61508
### Specifications (English Units)

<table>
<thead>
<tr>
<th>Pipe Size (in)</th>
<th>Bowl Capacity (oz)</th>
<th>Filter Capacity (µm)</th>
<th>Max. Flow @ 90 psi and 14 psi Drop (SCFM)</th>
<th>Adjustable Pressure (psi)</th>
<th>Min. Ambient Temp (°F)</th>
<th>Max. Ambient Temp (°F)</th>
<th>Manual Drain</th>
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### Specifications (Metric Units)

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<thead>
<tr>
<th>Pipe Size (in)</th>
<th>Bowl Capacity (cm³)</th>
<th>Filter Capacity (µm)</th>
<th>Max. Flow @ 6 bar and 1 bar Drop (l/m)</th>
<th>Adjustable Pressure (bar)</th>
<th>Min. Ambient Temp (°C)</th>
<th>Max. Ambient Temp (°C)</th>
<th>Manual Drain</th>
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### Flow Charts

- **1/4" NPT**
- **1/2" NPT**
Dimensions English (Metric)

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Mounting Bracket