Stainless steel construction for use in corrosive environments
Provides high efficiency oil and particle removal
Large filter element area for high flow and minimum pressure drop
Automatic drain is operated by liquid level and also opens upon depressurization
Optional service life indicator turns from green to red when the filter element needs to be replaced
Metallic parts meet NACE Standard MR-01-75
*National Association of Corrosion Engineers (NACE) MR-01-75 defines requirements for sulphide stress cracking resistant

Technical data
F22 (general purpose)
Fluid: Compressed air, neutral gases
NOTE: Contact technical support for use with other media.
Maximum pressure: 250 psig (17 bar)
Operating temperature: 0° to 175°F (-20° to 80°C)*
* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).
Particle removal: 5 or 25 micron
Flow: 98 scfm (46 dm³/s)
Typical flow with 90 psig inlet pressure and 5 psig pressure drop.
Materials
Body: stainless steel
Bowl: stainless steel
Element: sintered stainless steel
Elastomers: nitrile

F22H (High Flow, coalescing)
Fluid: Compressed air, Hydrocarbon gas†
Maximum pressure: 250 psig (17 bar)
Operating temperature: 0° to 175°F (-20° to 80°C)**
** Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).
Particle removal: Down to 0.01 µm
Air quality: Within ISO 8573-1, Class 1 (particulates) and Class 2 (oil content)
Maximum remaining oil content in outlet air:
0.01 ppm at 70°F (20°C) with an inlet concentration of 12 ppm.

Maximum flow with at 90 psig (6.3 bar) inlet pressure to maintain stated oil removal performance:
75.0 scfm (35.4 dm³/s)
Manual drain connection:
No tube connection
Automatic drain connection:
Will fit 1/4-18 male pipe thread
Automatic drain operating conditions (float operated):
Bowl pressure required to close drain:
Greater than 5 psig (0.3 bar)
Bowl pressure required to open drain:
Less than 3 psig (0.2 bar)
Minimum air flow required to close drain:
2 scfm (1 dm³/s)
Manual operation:
unscrew drain outlet to drain bowl

Nominal bowl size:
8 fluid ounce (0.24 liter)
Materials of construction:
Body: 316 Stainless steel
Bowl: 316 Stainless steel
Manual drain: 316 Stainless steel, Nitrile
Automatic drain: 316 Stainless steel, Nylon, Acetal, Nitrile
Filter element: Stainless steel, synthetic fiber, EPDM, polyester
Elastomers: Nitrile
Bowl sight glass: Pyrex
Bracket: Stainless steel (optional)
Service life indicator (factory option)-
Body: 316 Stainless steel
Lens: Transparent nylon
Internal parts: Acetal
Spring: 18-8 Stainless steel
Elastomers: Nitrile

† Confirm compatibility with materials of construction. Use in gas applications must be in a well vented or outdoor area. Products are designed with an allowable leakage and should only be used within the specifications printed on the data sheet or the product label for pressure, temperature, etc. It is the responsibility of the user to apply the product in a safe environment free from potential fire or explosive materials or components. Norgren will not be responsible for any injury or damage caused by the use of the product in an unsafe application.
## F22 General purpose filter

<table>
<thead>
<tr>
<th>Port Size</th>
<th>Filtration</th>
<th>F22 Auto Drain Model No.</th>
<th>F22 Manual Drain Model No.</th>
<th>Indicator assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>5 μm</td>
<td>F22-400-A1DA</td>
<td>F22-400-M1DA</td>
<td>No</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>25 μm</td>
<td>F22-400-A2DA</td>
<td>F22-400-M2DA</td>
<td>No</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>5 μm</td>
<td>F22-402-A1DA</td>
<td>F22-402-M1DA</td>
<td>Yes</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>25 μm</td>
<td>F22-402-A2DA</td>
<td>F22-402-M2DA</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### F22 Accessories

<table>
<thead>
<tr>
<th>Element</th>
<th>Wall mounting bracket</th>
<th>Element</th>
<th>Auto drain service kit*</th>
<th>Manual drain service kit*</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 μm</td>
<td>18-001-962</td>
<td>6317-01</td>
<td>F22-100A5</td>
<td>F22-100M5</td>
</tr>
<tr>
<td>25 μm</td>
<td>18-001-962</td>
<td>6317-02</td>
<td>F22-100A</td>
<td>F22-100M</td>
</tr>
</tbody>
</table>

## Additional F22 Options

### F22 - 40★ - ★ D★

<table>
<thead>
<tr>
<th>Service life indicator</th>
<th>Substitute</th>
</tr>
</thead>
<tbody>
<tr>
<td>With indicator</td>
<td>2</td>
</tr>
<tr>
<td>Without indicator</td>
<td>0</td>
</tr>
</tbody>
</table>

### Drain Substitute

- Automatic 1/4" (Acetal) A
- Automatic 1/4" (Stainless steel) T
- Manual M

## F22H High Flow, coalescing filter

<table>
<thead>
<tr>
<th>Port Size</th>
<th>Element</th>
<th>F22H Auto Drain Model No.</th>
<th>F22H Manual Drain Model No.</th>
<th>Indicator assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>Coalescing</td>
<td>F22H-4AN-TD0</td>
<td>F22H-4AN-MD0</td>
<td>No</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>Coalescing</td>
<td>F22H-4AD-TD0</td>
<td>F22H-4AD-MD0</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### F22H Accessories

<table>
<thead>
<tr>
<th>Wall mounting bracket</th>
<th>Element</th>
<th>Auto drain service kit*</th>
<th>Manual drain service kit*</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-001-962</td>
<td>5350-26</td>
<td>3000-85</td>
<td>2273-18</td>
</tr>
<tr>
<td>18-001-962</td>
<td>5350-26</td>
<td>3000-85</td>
<td>2273-18</td>
</tr>
</tbody>
</table>

### Additional F22H Options

### F22H - 4A★ - ★ D0

<table>
<thead>
<tr>
<th>Drain</th>
<th>Substitute</th>
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</thead>
<tbody>
<tr>
<td>Manual</td>
<td>A</td>
</tr>
<tr>
<td>Automatic 1/4&quot; (Stainless steel)</td>
<td>T</td>
</tr>
</tbody>
</table>

For further information [www.norgren.com](http://www.norgren.com)
**FLOW CHARACTERISTICS**

**PORT SIZE: 1/2"**
**ELEMENT: 25 m**

**INLET PRESSURE:** psig (bar g)
2.5 4.0 6.3 8.0 10.0
(36) (58) (90) (116) (150)

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**Service life indicator is a factory installed option**

**Automatic Drain**

**Manual Drain**

**Minimum clearance required to remove bowl**
Stainless steel Products
F22, F22H

F22H

Dimensions in inches (mm)

Automatic Drain

Manual Drain

FLOW CHARACTERISTICS

PORT SIZE: 1/2”
ELEMENT: SATURATED (F22H)

INLET PRESSURE: psig (bar g)

FLOW CHARACTERISTICS

PORT SIZE: 1/2”
ELEMENT: DRY (F22H)

INLET PRESSURE: psig (bar g)