Model IFR (instrument filter regulator)
Filter / regulator combination
High flow capability
Max inlet pressure 20 bar (290 psi)
Maintains set pressure with increasing flow
Fully venting
Reliable and long life, ideal for one time installation

Technical data

**Media:**
Air

**Filter with manual drain:**
40 - 50 μm - stainless steel

**Relief port:**
2 mm drilled hole

**Maximum inlet pressure:**
20 bar (290 psi)

Outlet pressure range:
0.5 - 10 bar (7 - 145 psi)

**Temperature ratings:**
Standard =
Media (min/max) -30/90 °C (-22/194 °F)
Ambient (min/max) -30/90 °C (-22/194 °F)

**Process connections:**
IFR3 - 1/4" NPT
IFR4 - 1/2" NPT

**Weight:**
IFR3 - 1.8 kg
IFR4 - 2.2 kg

**ATEX classification:**
Exc - complies with EN13463 for non-electrical equipment

**Materials**
Valve body - stainless steel - 316L
Top & bottom covers - stainless steel - 316
Valve trim materials - 316L stainless steel
O-rings & seals - nitrile (NBR)
Diaphragm - nitrile (NBR)
Seat & adjustment springs - stainless steel

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Models

<table>
<thead>
<tr>
<th>Part number</th>
<th>Outlet pressure psi (bar)</th>
<th>Drain type</th>
<th>Port size NPT</th>
<th>Seat/seal materials</th>
<th>Gauge</th>
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</thead>
<tbody>
<tr>
<td>YR2ACA1H1BS040</td>
<td>7 to 145 (0.5 to 10)</td>
<td>Manual</td>
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*1) Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

*2) Typical flow with 10 bar inlet pressure, 6.3 bar set pressure and a 1 bar drop from set.

**IFR3 - 1/4" Filter/regulator combination**

**IFR4 - 1/2" Filter/regulator combination**

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