Technical features

- **Medium:** Compressed air only
- **Maximum inlet pressure:**
  - 10 bar (145 psi) Transparent bowl
  - 17 bar (246 psi) Metal bowl
- **Pressure range:**
  - 0.3 ... 7 bar (4 ... 101 psi)
  - 0.3 ... 3.5 bar (4 ... 50 psi)
  - 0.1 ... 0.7 bar (1 ... 10 psi)
  - 0.3 ... 10 bar (4 ... 145 psi)
- **Element:** 5 or 40 µm
- **Flow:** see below
- **Port sizes:**
  - G1/8 or G1/4
- **Flow** *1):
  - 0.3 ... 7 bar (4 ... 101 psi)
  - 0.3 ... 3.5 bar (4 ... 50 psi)
  - 0.1 ... 0.7 bar (1 ... 10 psi)
  - 0.3 ... 10 bar (4 ... 145 psi)
- **Drain:** Manual or automatic
- **Ambient/Media temperature:**
  - Transparent bowl
    - -34 ... +50°C (-29 ... +122°F)
  - Metal bowl
    - -34 ... +65°C (-29 ... +149°F)
- **Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

Technical data, standard models with relieving

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Port size</th>
<th>Pressure range (bar)</th>
<th>Element (µm)</th>
<th>Flow *1) (dm³/s)</th>
<th>Drain</th>
<th>Bowl</th>
<th>Weight (kg)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1/8</td>
<td>0.3 ... 7</td>
<td>40</td>
<td>6.2</td>
<td>Manual</td>
<td>Plastic</td>
<td>0.26</td>
<td>B07-101-M3KG</td>
<td></td>
</tr>
<tr>
<td>G1/4</td>
<td>0.3 ... 7</td>
<td>40</td>
<td>6.5</td>
<td>Manual</td>
<td>Plastic</td>
<td>0.26</td>
<td>B07-201-M3KG</td>
<td></td>
</tr>
<tr>
<td>G1/8</td>
<td>0.3 ... 7</td>
<td>40</td>
<td>6.2</td>
<td>Automatic</td>
<td>Plastic</td>
<td>0.26</td>
<td>B07-101-A3KG</td>
<td></td>
</tr>
<tr>
<td>G1/4</td>
<td>0.3 ... 7</td>
<td>40</td>
<td>6.5</td>
<td>Automatic</td>
<td>Plastic</td>
<td>0.26</td>
<td>B07-201-A3KG</td>
<td></td>
</tr>
</tbody>
</table>

*1) Flow at inlet pressure 10 bar (145 psi), outlet pressure 6.3 bar (91 psi) and pressure drop 1 bar (14 psi)

Option selector

<table>
<thead>
<tr>
<th>Port size</th>
<th>Substitute</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8</td>
<td>1</td>
</tr>
<tr>
<td>1/4</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bowl/Option</th>
<th>Substitute</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic/relieving</td>
<td>01</td>
</tr>
<tr>
<td>Plastic/non-relieving</td>
<td>03</td>
</tr>
<tr>
<td>Metal/relieving</td>
<td>33</td>
</tr>
<tr>
<td>Metal/non-relieving</td>
<td>35</td>
</tr>
<tr>
<td>Metal/relieving</td>
<td>05 *2)</td>
</tr>
<tr>
<td>Metal/non-relieving</td>
<td>07 *2)</td>
</tr>
</tbody>
</table>

*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) When specifying 10 bar (145 psi) unit, eg. B07-205-A3MG, also note correct code at 5th, 6th and 9th digits.
Flow characteristics
Port size 1/4", 40 µm Element, Pressure range 0,3 ... 7 bar

Accessories
1. Wall mounting bracket and panel nut
2. Panel nut
3. Tamper resistant field modification
4. Gauge ø 40 mm
5. Manual drain
6. Automatic drain

Service kit
40 µm: B07-KTM40R
5 µm: B07-KTM05R

18-025-003 (with plastic nut) 2962-04 (Metal) 18-001-092 18-015-990 (0 ... 4 bar)
18-025-004 (with metal nut) 2962-89 (Plastic) 18-015-989 (0 ... 10 bar)
**Dimensions**

<table>
<thead>
<tr>
<th>Manual drain</th>
<th>Automatic drain</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Manual Drain Dimensions" /></td>
<td><img src="image2" alt="Automatic Drain Dimensions" /></td>
</tr>
</tbody>
</table>

# Minimum clearance required to remove bowl

Panel mounting hole Ø 31 mm

**Bracket mounting**

Dimensions in mm

![Bracket Mounting Dimensions](image3)

**Warning**

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under "Technical features/data".

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering, Norgren GmbH.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.