Technical features

Medium:
Compressed air only

Maximum operating pressure:
- Transparent bowl: 10 bar (145 psi)
- Metal bowl: 17 bar (250 psi)

Remaining oil content:
0.01 mg/m³ at +21°C (69°F)

Particle removal:
To 0.01 µm

Port size:
- 3/8" PTF
- 1/2" PTF
- 3/4" PTF

Flow:
Maximum flow to maintain stated oil removal performance
- F74C: 16 dm³/s, F74H 28 dm³/s

Operating pressure:
6.3 bar (91 psi)

Drain:
- Manual
- Automatic

Technical data - standard models

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Port size</th>
<th>Size</th>
<th>Drain</th>
<th>Bowl with guard</th>
<th>Weight (kg)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>G3/8</td>
<td>Manual</td>
<td>PC (transparent)</td>
<td>0.85</td>
<td>F74C-3GD-QP0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G1/2</td>
<td>Basic</td>
<td>Manual</td>
<td>PC (transparent)</td>
<td>0.83</td>
<td>F74C-4GD-QP0</td>
<td></td>
</tr>
<tr>
<td>G3/4</td>
<td>Manual</td>
<td>PC (transparent)</td>
<td>1.11</td>
<td>F74H-4GD-QP0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G3/8</td>
<td>Automatic</td>
<td>PC (transparent)</td>
<td>0.85</td>
<td>F74C-3GD-AP0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G1/2</td>
<td>Basic</td>
<td>Automatic</td>
<td>PC (transparent)</td>
<td>0.83</td>
<td>F74C-4GD-AP0</td>
<td></td>
</tr>
<tr>
<td>G3/4</td>
<td>Automatic</td>
<td>PC (transparent)</td>
<td>1.11</td>
<td>F74H-4GD-AP0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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).

Note:
Install an F74G filter with a 5 µm filter element upstream of the F74C/H filter for maximum service life.

Materials:
- Body: Die cast aluminium
- Bowl: Transparent PC with steel guard or die cast aluminium
- Element: Synthetic fibre & PE foam
- Elastomers: CR & NBR

Option selector

Series | Substitute
---|---
Standard "1) | C
High flow "2) | H

Port size | Substitute
---|---
3/8" | 3
1/2" | 4
3/4" | 6

Thread form | Substitute
---|---
PTF | A
ISO G parallel (standard) | G

Service life indicator | Substitute
---|---
With (visual, standard) | D
Without | N

Bowl | Substitute
---|---
Metal | D
Transparent with guard (standard) | P

Drain | Substitute
---|---
Manual | G
Automatic | A

*1) available with 3/8 or 1/2" ports
*2) available with 1/2 or 3/4" ports
**Typical performance characteristics**

<table>
<thead>
<tr>
<th>Inlet pressure (bar)</th>
<th>Maximum flow dm³/s*</th>
<th>F74C</th>
<th>F74H</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6.4</td>
<td>11.2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>11</td>
<td>19.3</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>14.3</td>
<td>24.9</td>
<td></td>
</tr>
<tr>
<td>6.3</td>
<td>16</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>16.9</td>
<td>29.5</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>19.1</td>
<td>33.5</td>
<td></td>
</tr>
</tbody>
</table>

* Maximum flow to maintain stated oil removal performance

**Flow characteristics**

**F74C**  
Port size 1/4”  
Dry element  

**F74H**  
Port size 1/4”  
Dry element

**Accessories**

- Wall mounting bracket
- Quikclamp®
- Quikclamp with wall bracket®
- Quikmount pipe adaptor *1)
- Porting block with three alternative 1/4” ports
- 2/2 Shut-off valves (for full technical specification see datasheet 8.200.600)
- 3/2 Shut-off valves (for full technical specification see datasheet 8.200.600)

<table>
<thead>
<tr>
<th>Wall mounting bracket</th>
<th>Quikclamp®</th>
<th>Quikclamp with wall bracket®</th>
<th>Quikmount pipe adaptor *1)</th>
<th>Porting block with three alternative 1/4” ports</th>
<th>2/2 Shut-off valves (for full technical specification see datasheet 8.200.600)</th>
<th>3/2 Shut-off valves (for full technical specification see datasheet 8.200.600)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 4</td>
<td>Page 3</td>
<td>Page 3</td>
<td>Page 3</td>
<td>Page 3</td>
<td>Page 4</td>
<td>Page 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>G1/2: 4315-11</td>
<td>G 3/4: T74T-6GA-P1N</td>
<td>G 1/2: T74T-4GA-P1N</td>
<td>G 3/8: T74T-4GA-P1N</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>G 3/4: 4315-12</td>
<td>G 3/4: T74T-6GA-P1N</td>
<td>G 1/2: T74T-4GA-P1N</td>
<td>G 3/4: T74T-6GA-P1N</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3/8 PTF: 4315-02</td>
<td>G 3/4: T74T-6GA-P1N</td>
<td>1/2 PTF: T74T-4MA-P1N</td>
<td>3/8 PTF: T74T-6GA-P1N</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1/2 PTF: 4315-03</td>
<td>G 3/4: T74T-6GA-P1N</td>
<td>1/2 PTF: T74T-4MA-P1N</td>
<td>3/8 PTF: T74T-6GA-P1N</td>
</tr>
</tbody>
</table>

*1) Please use a Quikmount pipe adaptor if the Quikclamp be mounted at inlet or outlet side.

**Pressure switch**

- Porting block for pressure switch
- Pressure switch (0.5 ... 8 bar)

**Padlock**

- Padlock (brass) with two keys *1)

<table>
<thead>
<tr>
<th>Pressure switch for pressure switch</th>
<th>Pressure switch (0.5 ... 8 bar)</th>
<th>Padlock (brass) with two keys *1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 4</td>
<td>Page 4</td>
<td>Page 4</td>
</tr>
<tr>
<td>05231100000000000</td>
<td>088130000000000</td>
<td>0613633000000000000</td>
</tr>
</tbody>
</table>

*1) for shut-off valves

**Service kits**

- Manual drain
- Automatic drain
- Replacement element

<table>
<thead>
<tr>
<th>Manual drain</th>
<th>Automatic drain</th>
<th>Replacement element</th>
</tr>
</thead>
<tbody>
<tr>
<td>F74H-KTM0C</td>
<td>F74H-KTV0C</td>
<td>4344-02</td>
</tr>
<tr>
<td>F74C-KTM0C</td>
<td>F74C-KTV0C</td>
<td>4344-01</td>
</tr>
</tbody>
</table>

---

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (1998 - 8057c) © 2015 Norgren Inc.
Drawings

F74C

F74H

Dimensions in mm
Projection/First angle

Accessories

Quikclamp®
Quikclamp® with wall bracket
Porting block
Pipe adapter

# Minimum clearance required to remove bowl
1 Main ports 3/8", 1/2" or 3/4"
2 Service life indicator
3 Transparent bowl with guard
4 Metal bowl with liquid level indicator lens

Main ports 3/8", 1/2" or 3/4"
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 Inc.

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.

Wall mounting bracket

Shut-off valves

Porting block for pressure switch

1 Main ports

1 Main ports 3/8", 1/2" or 3/4" ISO G/PTF

2 Exhaust port 1/8"

3 Pressure switch is not in scope of delivery

4 Alternative G1/4 ports plugged