Spin-On Filters • Introduction

Product Description

STAUFF provides a complete range of Spin-On filters which can be used either as suction filters or as return line filters for low pressure applications. The various ranges meet international standards. The corresponding STAUFF Filter Elements are available from stock.

Technical Data

Material

- Filter head: Aluminium
- Sealing: NBR (Buna-N®)

Port Connection

- BSP
- NPT
- SAE Flange
- SAE O-ring thread
- Other port connections on request

Operating Pressure

- Up to 14 bar / 200 PSI

Nominal Flow Rate

- Up to 460 l/min / 120 Us GPM

Options and Accessories

Clogging Indicators

- Visual clogging indicator with coloured segments
- Electrical clogging switch
- Other types available on request

Private Labelling

- On request, the filter elements can be printed with a private label

Private Labeling

Blank Spin-On element

Artwork for labelling

Spin-On element with your label
## Spin-on Filters Quick Reference Guide

### Spin-On Filter Heads

<table>
<thead>
<tr>
<th>Series</th>
<th>Size</th>
<th>Port</th>
<th>Spigot</th>
<th>Max. Flow Rate*</th>
<th>Catalog Page</th>
<th>Seal Contour</th>
<th>SF63</th>
<th>SF65</th>
<th>SF67</th>
<th>SFC-35</th>
<th>SFC-36</th>
<th>SFC-57</th>
<th>SFCT-35</th>
<th>SFCT-57</th>
<th>SFCT-58</th>
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<tbody>
<tr>
<td>SLF</td>
<td>04</td>
<td>1/4 NPT</td>
<td>3/4–16 UNF</td>
<td>19, 5</td>
<td>SF-134</td>
<td>A</td>
<td>C134</td>
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<td>3/4–16 UNF</td>
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<td>A</td>
<td>C134</td>
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<td>3/4–16 UNF</td>
<td>37, 10</td>
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<td>B</td>
<td>C135</td>
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<td>06</td>
<td>3/4–16 UN</td>
<td>1–12 UNF</td>
<td>37, 15</td>
<td>SF-135</td>
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<td>C135</td>
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<td>30, 25</td>
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<td>B</td>
<td>C135</td>
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<td>1–1/16–12 UN</td>
<td>1–12 UNF</td>
<td>128, 34</td>
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<td>13</td>
<td>1–5/16–12 UN</td>
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<td>128, 34</td>
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<td>SF-138</td>
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<td>1–1/2–16 UN</td>
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<td>1–1/4 + 1–1/2–16 UN</td>
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<td>454, 120</td>
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<td>B</td>
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<td>25</td>
<td>1–1/2 NPT and 2 SAE Flange</td>
<td>1–1/4 + 1–1/2–16 UN</td>
<td>454, 120</td>
<td>SF-141</td>
<td>B</td>
<td>C141</td>
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<td>3/4–1/2–16 UN</td>
<td>75, 20</td>
<td>SF-142</td>
<td>B</td>
<td>C142</td>
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<td>20</td>
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<td>1–1/4 + 1–1/2–16 UN</td>
<td>200, 53</td>
<td>SF-143</td>
<td>B</td>
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</tbody>
</table>

*Note: Reflects nominal flow rate for return line application. Actual flow rate will depend on selected element and the viscosity of the fluid.*
Spin-On Filters

Spin-On Filter Heads • SLF-02 / 03 / 04

Technical Data

Construction
• In-line Spin-On filter head

Material
• Aluminium

Port Connection
• NPT
• SAE U-ring thread

Flow Rate
• 26 l/min / 7 US GPM for return line application
• 7 l/min / 2 US GPM for suction line application

Operating Pressure
• Max. 14 bar / 200 PSI
• Max. 5.5 bar / 80 PSI differential pressure (for any application with no bypass valve)

Temperature Range
• -32°C ... +100°C / -25°F ... +212°F

Media Compatibility
• Mineral oils, other fluids on request

Options and Accessories

Filter Elements
• For use with SF63 series elements
• For element types with seal contour type A
• For element types and flow characteristics see page C146
• The element is not part of the scope of delivery

Clogging Indicators
• Visual clogging indicator with coloured segments
• Electrical clogging switch 0.35 ... 2.5 bar / 5 ... 35 PSI adjustable
• For clogging indicator types see page C152

Order Code

SLF - 02 - 0

1 Type
Spin-On Filter Head

2 Connection Style

<table>
<thead>
<tr>
<th>Connection</th>
<th>Thread</th>
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<tr>
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<td>NPT</td>
<td>3/8</td>
<td>03</td>
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<tr>
<td>SAE</td>
<td>9/16–18</td>
<td>04</td>
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3 Clogging Indicator Port Options

<table>
<thead>
<tr>
<th>Clogging Indicator Port Options</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>No clogging indicator port</td>
<td>0</td>
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<tr>
<td>Clogging indicator port drilled for return line application</td>
<td>1</td>
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<tr>
<td>Clogging indicator port drilled for suction line application</td>
<td>2</td>
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<tr>
<td>All clogging indicator ports drilled</td>
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<td>Special</td>
<td>9</td>
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Note: Standard clogging indicator port is 1/8 NPT.

Dimensions in mm / in

Element length L

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Clogging Indicator Port Options

Type

Connection

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<tr>
<td>NPT</td>
<td>03</td>
</tr>
<tr>
<td>SAE</td>
<td>04</td>
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</table>

Dimensions

[Image of filter head with technical data and dimensions]

C134 www.stauff.com
Spin-On Filter Heads • SAF-05 / 06 / 07 / 11

Technical Data

Construction
- In-line Spin-On filter head

Material
- Aluminium

Port Connection
- NPT
- SAE O-ring thread

Flow Rate
- 90 l/min / 25 US GPM for return line application
- 23 l/min / 6 US GPM for suction line application

Operating Pressure
- Max. 14 bar / 200 PSI
- Max. 5.5 bar / 80 PSI differential pressure (for any application with no bypass valve)

Temperature Range
- -32°C ... +100°C / -25°F ... +212°F

Media Compatibility
- Mineral oils, other fluids on request

Options and Accessories

Filter Elements
- For use with SF65 series elements
- For element types and flow characteristics see page C147
  The element is not part of the scope of delivery

Valve
- Bypass valve (integrated in the head): Optional

Clogging Indicators
- Visual clogging indicator with coloured segments
- Electrical clogging switch 0,35 ... 2,5 bar / 5 ... 35 PSI adjustable
- For clogging indicator types see page C152

Order Code

<table>
<thead>
<tr>
<th>Type</th>
<th>Connection Style</th>
<th>Bypass Options</th>
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<tbody>
<tr>
<td>1</td>
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<td>SAF-07-25-0</td>
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<td>SAE 1-1/16-12</td>
<td>1 bar / 15 PSI</td>
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<tr>
<td></td>
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<td>1.7 bar / 25 PSI</td>
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</table>

Clogging Indicator Port Options

- No clogging indicator port
- Clogging indicator port drilled for return line application
- Clogging indicator port drilled for suction line application
- All clogging indicator ports drilled

Note: Standard clogging indicator port is 1/8 NPT.

Spin-On Filter Head SAF-05/06

Spin-On Filter Head SAF-07/11

Dimensions

Clearance for element removal: 19 / .75

Clogging Indicator Ports: 1/8 NPT
- Pos. 1 for return line application
- Pos. 2 for suction line application

 element length L
- L1 SF65 short elements: 147
- L2 SF65 long elements: 204

Dimensions in mm / in
Spin-On Filter Heads • SAF-10 / 13

Technical Data

Construction
- In-line Spin-On filter head

Material
- Aluminium

Port Connection
- NPT
- SAE O-ring thread

Flow Rate
- 128 l/min / 34 US GPM for return line application
- 30 l/min / 8 US GPM for suction line application

Operating Pressure
- Max. 14 bar / 200 PSI
- Max. 5.5 bar / 80 PSI differential pressure (for any application with no bypass valve)

Temperature Range
- -32°C ... +100°C / -25°F ... +212°F

Media Compatibility
- Mineral oils, other fluids on request

Options and Accessories

Filter Elements
- For use with SF65 series elements
- For element types with seal contour type A
- For element types and flow characteristics see page C147
- The element is not part of the scope of delivery

Valve
- Bypass valve (integrated in the filter head): Optional

Clogging Indicators
- Visual clogging indicator with coloured segments
- Electrical clogging switch 0,35 ... 2,5 bar / 5 ... 35 PSI adjustable
- For clogging indicator types see page C152

Order Code

Spin-On Filter Head SAF-10/13

Clogging Indicators

Type
- Spin-On Filter Head SAF

Connection Style

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Bypass Options

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<td>0,35 bar / 5 PSI</td>
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<td>1 bar / 15 PSI</td>
<td>15</td>
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<tr>
<td>1,7 bar / 25 PSI</td>
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Clogging Indicator Port Options

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<tr>
<td>No clogging indicator port</td>
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<tr>
<td>Clogging indicator port drilled for return line application</td>
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<tr>
<td>Clogging indicator port drilled for suction line application</td>
<td>2</td>
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<tr>
<td>All clogging indicator ports drilled</td>
<td>4</td>
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<tr>
<td>Special</td>
<td>9</td>
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Note: Standard clogging indicator port is 1/8 NPT.
**Spin-On Filters**

### Technical Data

**Construction**
- In-line Spin-On filter head

**Material**
- Aluminium

**Port Connection**
- BSP

**Flow Rate**
- 90 l/min / 25 US GPM for return line application
- 23 l/min / 6 US GPM for suction line application

**Operating Pressure**
- Max. 12 bar / 174 PSI
- Max. 4 bar / 58 PSI differential pressure (for any application with no bypass valve)

**Temperature Range**
- -32°C ... +100°C / -25°F ... +212°F

**Media Compatibility**
- Mineral oils, other fluids on request

### Options and Accessories

**Filter Elements**
- For use with SFU-35/36 series elements
- For element types with seal contour type A
- For element types and flow characteristics see page C144
- The element is not part of the scope of delivery

**Valve**
- Bypass valve (integrated in the filter head): Optional

**Clogging Indicators**
- Visual clogging indicator with coloured segments
- Electrical clogging switch 1,3 bar / 19 PSI adjustable
- For clogging indicator types see page C152

### Spin-On Filter Heads • SSF-12 / 12N

#### Dimensions

- Mounting holes (2x)
- M8 (17.5 / .69 deep)
- 1/4-20x17.5 (.70) for NPT or SAE ports

- Clogging Indicator Ports: G1/8
  - Pos. 1 for return line application
  - Pos. 2 for suction line application
- Clogging Indicator Ports: 1/8NPT
  - Pos. 2 for return line application
  - Pos. 1 for suction line application

- Clearance for element removal: 19 / .75

#### Order Code

```
SSF-12-25-4
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### Table

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<td>Q in US GPM</td>
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<td>7.50</td>
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#### Notes
- Standard clogging indicator port is G1/8.

#### Chart

- Graph showing flow rate vs. pressure for SSF-12

#### Notes
- Other settings available on request.

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www.stauff.com C137
Spin-On Filters

Spin-On Filter Heads • SSF-100 / 120 / 120L / 130 / 160

Technical Data

Construction
- In-line Spin-On filter head

Material
- Aluminium

Port Connection
- NPT
- SAE U-ring thread

Flow Rate
- 225 l/min / 60 US GPM for return line application
- 46 l/min / 12 US GPM for suction line application

Operating Pressure
- Max. 14 bar / 200 PSI
- Max. 5.5 bar / 80 PSI differential pressure
  (for any application with no bypass valve)

Temperature Range
- -32°C ... +100°C / -25°F ... +212°F

Media Compatibility
- Mineral oils, other fluids on request

Options and Accessories

Filter Elements
- For use with SF67 and SFC-57/58 series elements
  For element types with seal contour type A and B
  For element types and flow characteristics
  see page C148 for SF67 and page C149 for SFC-57/58.
  The element is not part of the scope of delivery

Valve
- Bypass valve (integrated in the filter head): Optional

Clogging Indicators
- Visual clogging indicator with coloured segments
- Electrical clogging switch 0.35 ... 2.5 bar / 5 ... 35 PSI adjustable
  For clogging indicator types see page C152

Order Code

SSF - 120 - 25 - 0

1 Type
Spin-On Filter Head SSF

2 Connection Style
- NPT
- 1 NPT
- 5/16-12 SAE

3 Bypass Options
- No bypass 00
- 0.2 bar / 3 PSI 03
- 0.35 bar / 5 PSI 05
- 1 bar / 15 PSI 15
- 1.7 bar / 25 PSI 25

4 Clogging Indicator Port Options
- No clogging indicator port 0
- Clogging indicator port drilled for return line application 1
- Clogging indicator port drilled for suction line application 2
- All clogging indicators ports drilled 4
- Special 9

Note: Standard clogging indicator port is 1/8 NPT.

Dimensions

Element length L

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<td>10.60</td>
<td>126</td>
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<tr>
<td>270</td>
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</table>

Dimensions in mm / in

Spin-On Filter Head
SSF-100/120/120L/130/160

Dimensions in mm
Spin-On Filter Heads • SSF-150 / 180

Technical Data

Construction
- In-line Spin-On filter head

Material
- Aluminium

Port Connection
- NPT
- SAE O-ring thread

Flow Rate
- 300 l/min / 80 US GPM for return line application
- 113 l/min / 30 US GPM for suction line application

Operating Pressure
- Max. 14 bar / 200 PSI
- Max. 5.5 bar / 80 PSI differential pressure (for any applicator with no bypass valve)

Temperature Range
- -32°C ... +100°C / -25°F ... +212°F

Media Compatibility
- Mineral oils, other fluids on request

Options and Accessories

Filter Elements
- For use with SF67 series elements
- For element types with seal contour type B
- For element types and flow characteristics see page C148
- The element is not part of the scope of delivery

Valve
- Bypass valve (integrated in the filter head): Optional

Clogging Indicators
- Visual clogging indicator with coloured segments
- Electrical clogging switch 0.35 ... 2.5 bar / 5 ... 35 PSI adjustable
- For clogging indicator types see page C152

Order Code

SSF - 150 - 25 - 0

1 Type
Spin-On Filter Head SSF

2 Connection Style
Connection | Thread | Code
--- | --- | ---
NPT | 1-1/2 | 150
SAE | 1-7/8–12 | 180

3 Bypass Options
- No bypass 00
- 0.2 bar / 3 PSI 03
- 0.35 bar / 5 PSI 05
- 1 bar / 15 PSI 15
- 1.7 bar / 25 PSI 25

4 Clogging Indicator Port Options
- No clogging indicator port 0
- Clogging indicator port drilled for return line application 1
- Clogging indicator port drilled for suction line application 2
- All clogging indicator ports drilled 4
- Special 9

Note: Standard clogging indicator port is 1/8 NPT.

Dimensions

Mounting holes (6x)
5/16–18 UNC
(22 / .88 deep)

Clearance for element removal: 30 / 1.18

Clogging Indicator Ports: 1/8 NPT
Pos. 1 for return line application
Pos. 2 for suction line application

Element length L

| L1 SF67 short element | 168 |
| L2 SF67 long element  | 270 |

Dimensions in mm / in
**Spin-On Filters**

Double Spin-On Filter Heads • SSF-24N / 24S

### Technical Data

- **Construction**
  - In-line Double Spin-On filter head

- **Material**
  - Aluminium

- **Port Connection**
  - NPT
  - SAE flange
  - SAE O-ring thread

- **Flow Rate**
  - 454 l/min / 120 US GPM for return line application
  - 132 l/min / 35 US GPM for suction line application

- **Operating Pressure**
  - Max. 12 bar / 174 PSI
  - Max. 5.5 bar / 80 PSI differential pressure

- **Temperature Range**
  - -30°C ... +100°C / -22°F ... +212°F

- **Media Compatibility**
  - Mineral oils, other fluids on request

### Options and Accessories

- **Filter Elements**
  - For use with SF67 and SFC-57/58 series elements
  - For element types with seal contour type A and B
  - For element types and flow characteristics

  see page C148 for SF67 and page C145 for SFC-57/58

  The element is not part of the scope of delivery

- **Valve**
  - Bypass valve (integrated in the head): Optional

- **Clogging Indicators**
  - Visual clogging indicator with coloured segments
  - Electrical clogging switch 0.35 ... 2.5 bar / 5 ... 35 PSI adjustable

  For clogging indicator types see page C152

### Order Code

```
<table>
<thead>
<tr>
<th>SSF - 24N - 25 - 0</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
</tbody>
</table>
```

1. **Type**
   - Double Spin-On Filter Head
   - SSF

2. **Connection Style**
   - Connection: NPT
   - Thread: 1-1/2
   - Code: 24N
   - Connection: SAE
   - Thread: 1-7/8–12
   - Code: 24S

3. **Bypass Options**
   - No bypass
   - 0.2 bar / 3 PSI
   - 0.35 bar / 5 PSI
   - 1 bar / 15 PSI
   - 1.7 bar / 25 PSI

4. **Clogging Indicator Port Options**
   - No clogging indicator port: 0
   - Clogging indicator port drilled for return line application: 1
   - Clogging indicator port drilled for suction line application: 2
   - All clogging indicator ports drilled: 4
   - Special: 9

Note: Standard clogging indicator port is 1/8 NPT.
**Dimensions**

Dimensions in mm / in

**Technical Data**

- **Construction**
  - In-line Double Spin-On filter head

- **Material**
  - Aluminium

- **Port Connection**
  - NPT
  - SAE Range

- **Flow Rate**
  - 454 l/min / 120 US GPM for return line application
  - 132 l/min / 35 US GPM for suction line application

- **Operating Pressure**
  - Max. 12 bar / 174 PSI
  - Max. 5.5 bar / 80 PSI differential pressure (for any application with no bypass valve)

- **Temperature Range**
  - -30°C ... +100°C / -22°F ... +212°F

- **Media Compatibility**
  - Mineral oils, other fluids on request

**Options and Accessories**

**Filter Elements**
- For use with SF67 and SFC-57/58 series elements
- For element types with seal contour type A and B
- For element types and flow characteristics see page C148 for SF67 and page C145 for SFC-57/58
- The element is not part of the scope of delivery

**Valve**
- Bypass valve (integrated in the head): Optional

**Clogging Indicators**
- Visual clogging indicator with coloured segments
- Electrical clogging switch 0.35 ... 2.5 bar / 5 ... 35 PSI adjustable
- For clogging indicator types see page C152

### Order Code

<table>
<thead>
<tr>
<th>1 Type</th>
<th>2 Connection Style</th>
<th>3 Bypass Options</th>
<th>4 Clogging Indicator Port Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double Spin-On Filter Head</td>
<td>SSF</td>
<td>NPT and SAE Flange</td>
<td>No clogging indicator port 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1-1/2 and 2 SAE Code 61 Flange</td>
<td>Clogging indicator port drilled for return line application 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Clogging indicator port drilled for suction line application 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>All clogging indicator ports drilled 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Special 9</td>
</tr>
</tbody>
</table>

**Clogging Indicator Port Options**

- No clogging indicator port 0
- Clogging indicator port drilled for return line application 1
- Clogging indicator port drilled for suction line application 2
- All clogging indicator ports drilled 4
- Special 9

Note: Standard clogging indicator port is 1/8 NPT.

**Spin-On Filter Head**

SSF-25

**Flow Rate**

- 454 l/min / 120 US GPM for return line application
- 132 l/min / 35 US GPM for suction line application

**Temperature Range**

- -30°C ... +100°C / -22°F ... +212°F

**Media Compatibility**

- Mineral oils, other fluids on request

**Order Code**

SSF - 25 - 25 - 0
Tank Top Spin-On Filter Heads • SSFT-12

Technical Data

Construction
- Tank Top Spin-On filter head

Material
- Aluminium

Port Connection
- NPT

Flow Rate
- 75 l/min / 20 US GPM

Operating Pressure
- Max. 7 bar / 100 PSI

Temperature Range
- -30°C ... +100°C / -22°F ... +212°F

Media Compatibility
- Mineral oils, other fluids on request

Options and Accessories

Filter Elements
- For use with SFCT-35/36 series elements
- For element types with seal contour type A and B
- For element types and flow characteristics see page C144
- The element is not part of the scope of delivery

Valve
- Bypass valve 1.7 bar / 25 PSI integrated in the filter element

Clogging Indicators
- Visual clogging indicator with coloured segments
- Electrical clogging switch 0.35 ... 2.5 bar / 5 ... 35 PSI adjustable
- For clogging indicator types see page C152

Order Code

SSFT - 12 - 1

1 Type
- Spin-On Filter Head SSFT

2 Connection Style
- Connection Thread Code
  - NPT 3/4 12

3 Clogging Indicator Port Options
- No clogging indicator port 0
- Clogging indicator port drilled for return line application 1
- Special 9

Note: Standard clogging indicator port is 1/8 NPT.
Technical Data

Construction
- Tank Top Spin-On filter head

Material
- Aluminium

Port Connection
- NPT

Flow Rate
- 200 l/min / 53 US GPM

Operating Pressure
- Max. 7 bar / 100 PSI

Temperature Range
- -30°C ... +100°C / -22°F ... +212°F

Media Compatibility
- Mineral oils, other fluids on request

Options and Accessories

Filter Elements
- For use with SFTC-57/58 series elements
- For element types with seal contour type A
- For element types and flow characteristics see page C145
- The element is not part of the scope of delivery

Valve
- Bypass valve 1,7 bar / 25 PSI integrated in the filter element

Clogging Indicators
- Visual clogging indicator with coloured segments
- Electrical clogging switch 0,35 ... 2,5 bar / 5 ... 35 PSI adjustable
- For clogging indicator types see page C152

Order Code

SSFT - 20 - 1

1 Type
Spin-On Filter Head

2 Connection Style
Connection | Thread | Code
--- | --- | ---
NPT | 1-1/2 | 20

3 Clogging Indicator Port Options
- No clogging indicator port
- Clogging indicator port drilled for return line application
- Special

Note: Standard clogging indicator port is 1/8 NPT.

Dimensions

Clearance for element removal: 20 / 8

Clogging Indicator Ports: 1/8 NPT Pos. 1 for return line application
## Spin-On Elements • Type SFC-35 / 36 and SFCT-35 / 36

### Product Description

STAUFF SFC-35/36 series Spin-On Elements are used with the STAUFF SSF-12 Spin-On Filters with G3/4 threaded ports.

STAUFF SFCT-35/36 series Spin-On Elements have an internal 1.7 bar / 25 PSI bypass and anti-drain back diaphragm for use with STAUFF SSF-12 Tank Top Spin-On Filters.

### Technical Data

#### Connection Thread
- G3/4

#### Seal Contour
- Type A (see page C133)

#### Differential Pressure
- SFC: Max. 4 bar / 58 PSI
- SFCT: Max. 3 bar / 43.5 PSI

#### Sealing Material
- NBR (Buna-N®)

#### Operating Pressure
- SFC: Max. 12 bar / 174 PSI
- SFCT: Max. 7 bar / 100 PSI

#### Burst Pressure
- SFC: Max. 25 bar / 363 PSI
- SFCT: Max. 21 bar / 305 PSI

#### Bypass Pressure
- 1.7 bar / 25 PSI (only SFCT-series)

#### Temperature Range
- -32°C ... +100°C / -25°F ... +212°F

#### Media Compatibility
- Mineral oils, other fluids on request

### Dimensions

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Element without bypass valve</th>
<th>Filter Paper</th>
<th>Inorganic Glass Fibre</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFC-3510E</td>
<td>145 10μm</td>
<td>145 10μm</td>
<td>133 560</td>
</tr>
<tr>
<td>SFC-3610E</td>
<td>145 10μm</td>
<td>145 10μm</td>
<td>133 560</td>
</tr>
<tr>
<td>SFC-3525E</td>
<td>145 10μm</td>
<td>145 10μm</td>
<td>133 560</td>
</tr>
<tr>
<td>SFC-3625E</td>
<td>145 25μm</td>
<td>145 25μm</td>
<td>2140 3630</td>
</tr>
<tr>
<td>SFCT-3510AE</td>
<td>145 10μm</td>
<td>145 10μm</td>
<td>133 560</td>
</tr>
<tr>
<td>SFCT-35125E</td>
<td>145 25μm</td>
<td>145 25μm</td>
<td>2140 3630</td>
</tr>
<tr>
<td>SFCT-3610AE</td>
<td>145 10μm</td>
<td>145 10μm</td>
<td>133 560</td>
</tr>
<tr>
<td>SFCT-36125E</td>
<td>145 25μm</td>
<td>145 25μm</td>
<td>2140 3630</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length L (mm/in)</th>
<th>145</th>
<th>145</th>
<th>145</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-Ratio</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Filter Area (cm²/in²)</td>
<td>330</td>
<td>310</td>
<td>330</td>
</tr>
<tr>
<td>Carton Quantity</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Carton Weight (kg/lbs)</td>
<td>1.3</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

### Order Code

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Element without bypass valve</th>
<th>Wire Mesh</th>
<th>Brass Mesh</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFC-3560E</td>
<td>145 60μm</td>
<td>145 60μm</td>
<td>145 60μm</td>
</tr>
<tr>
<td>SFC-3660E</td>
<td>145 60μm</td>
<td>145 60μm</td>
<td>145 60μm</td>
</tr>
<tr>
<td>SFC-35125E</td>
<td>145 125μm</td>
<td>145 125μm</td>
<td>145 125μm</td>
</tr>
<tr>
<td>SFC-36125E</td>
<td>145 125μm</td>
<td>145 125μm</td>
<td>145 125μm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length L (mm/in)</th>
<th>145</th>
<th>145</th>
<th>145</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-Ratio</td>
<td>1/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Filter Area (cm²/in²)</td>
<td>390</td>
<td>390</td>
<td>390</td>
</tr>
<tr>
<td>Carton Quantity</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Carton Weight (kg/lbs)</td>
<td>1.3</td>
<td>1.3</td>
<td>1.3</td>
</tr>
</tbody>
</table>

| C144 | www.stauff.com |
### Technical Data / Dimensions

#### Spin-On Elements • Type SFC-57 / 58 and SFCT-57 / 58

#### Product Description

STAUFF Spin-On Filter Elements of the SFC/SFCT-57/58 series are used with the STAUFF SSF-20/24/25/100/120/130 and 160 series Spin-On Filters with G1-1/4 threaded ports.

STAUFF SFCT-57/58 series Spin-On Elements have an internal 1.7 bar / 25 PSI bypass and anti-drain back diaphragm for use with STAUFF SSFT-20 Tank Top Spin-On Filters.

#### Technical Data

<table>
<thead>
<tr>
<th>Connection Thread</th>
<th>Operating Pressure</th>
<th>Burst Pressure</th>
<th>Temperature Range</th>
<th>Media Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>• G1-1/4</td>
<td>• SFC: Max. 12 bar / 174 PSI</td>
<td>• SFC: Max. 25 bar / 363 PSI</td>
<td>• -32°C ... +100°C / -25°F ... +212°F</td>
<td>• Mineral oils, other fluids on request</td>
</tr>
<tr>
<td></td>
<td>• SFC: Max. 7 bar / 100 PSI</td>
<td>• SFCT: Max. 21 bar / 305PSI</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Seal Contour

- Type A (see page C133)

#### Sealing Material

- NBR (Buna-N®)

---

#### Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Filter Paper</th>
<th>Inorganic Glass Fibre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order Code</td>
<td>Filter without bypass valve</td>
<td>Filter with bypass valve</td>
</tr>
<tr>
<td>Element</td>
<td>SFC-5710E</td>
<td>SFC-5710AE</td>
</tr>
<tr>
<td>Length (mm/in)</td>
<td>10μm</td>
<td>10μm</td>
</tr>
<tr>
<td>Density (g/cm³)</td>
<td>1.1</td>
<td>1.1</td>
</tr>
<tr>
<td>B-Ratio</td>
<td>8₁₀ &lt; 2</td>
<td>8₁₀ &lt; 2</td>
</tr>
<tr>
<td>Filter Area (cm²/m²)</td>
<td>5660</td>
<td>6660</td>
</tr>
<tr>
<td>Carton Quantity</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Carton Weight (kg/lbs)</td>
<td>0.9</td>
<td>1.3</td>
</tr>
</tbody>
</table>

#### Order Code

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Wire Mesh</th>
<th>Brass Mesh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element</td>
<td>SFC-5760E</td>
<td>SFC-5860E</td>
</tr>
<tr>
<td>Length (mm/in)</td>
<td>65μm</td>
<td>65μm</td>
</tr>
<tr>
<td>B-Ratio</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Filter Area (cm²/m²)</td>
<td>1940</td>
<td>1940</td>
</tr>
<tr>
<td>Carton Quantity</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Carton Weight (kg/lbs)</td>
<td>2</td>
<td>2.6</td>
</tr>
</tbody>
</table>
Spin-On Filters

Spin-On Elements • Type SF63

Product Description
STAUFF SF63-series Spin-On Elements are used with the STAUFF SLF Spin-On Filters.

Technical Data

<table>
<thead>
<tr>
<th>Connection Thread</th>
<th>3/4–16 UNF</th>
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</thead>
<tbody>
<tr>
<td>Seal Contour</td>
<td>Type A (see page C133)</td>
</tr>
<tr>
<td>Sealing Material</td>
<td>NBR (Buna-N®)</td>
</tr>
</tbody>
</table>

Operating Pressure
- Max. 14 bar / 200 PSI

Differential Pressure
- Max. 5.5 bar / 80 PSI
  (for any application with no bypass valve)

Burst Pressure
- SF6310-18 1.24 bar / 18 PSI
- SF6325-10 0.70 bar / 10 PSI

Bypass Pressure
- SF6310-18 1.24 bar / 18 PSI
- SF6325-10 0.70 bar / 10 PSI

Dirt Holding Capacity (g)
- 6

Temperature Range
- -32°C ... +100°C / -25°F ... +212°F

Media Compatibility
- Mineral oils, other fluids on request

Dimensions

<table>
<thead>
<tr>
<th>Order Code</th>
<th>SF6310-18</th>
<th>SF6325-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>10μm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25μm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

B-Ratio
- $B_{10} \geq 2$
- $B_{25} \geq 2$

Filter Area (cm²/in²)
- 8/25
- 1.25

Dirt Holding Capacity (g)
- 6

Carton Quantity
- 12

Carton Weight (kg/lbs)
- 3.6
- 8
### Technical Data

**Connection Thread**
- 1–12 UNF

**Seal Contour**
- Type A (see page C133)

**Sealing Material**
- NBR (Buna-N®)

**Operating Pressure**
- Max. 14 bar / 200 PSI

**Differential Pressure**
- Max. 5.5 bar / 80 PSI
  (for any application with no bypass valve)

**Burst Pressure**
- Max. 20 bar / 290 PSI

**Temperature Range**
- -32°C ... +100°C / -25°F ... +212°F

**Media Compatibility**
- Mineral oils, other fluids on request

### Dimensions

<table>
<thead>
<tr>
<th>Filter Paper</th>
<th>Inorganic Glass Fibre</th>
<th>Water Absorbing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Order Code</strong></td>
<td>SF6520</td>
<td>SF6521</td>
</tr>
<tr>
<td>Length L (mm/in)</td>
<td>147</td>
<td>204</td>
</tr>
<tr>
<td>B-Ratio</td>
<td>8.75 ≤ 2</td>
<td>8.75 ≥ 2</td>
</tr>
<tr>
<td>Filter Area (cm²/in²)</td>
<td>2302</td>
<td>3881</td>
</tr>
<tr>
<td>Dirt Holding Capacity ACFTD (g)</td>
<td>14.4</td>
<td>22</td>
</tr>
<tr>
<td>Carton Quantity</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Carton Weight (kg/lbs)</td>
<td>6.3</td>
<td>6.4</td>
</tr>
</tbody>
</table>

Dimensions in mm / in

**Spin-On Filters**

STAUFF SF65-series Spin-On Elements are used with the STAUFF SAF series Spin-On Filters.
**Spin-On Filters**

**Spin-On Elements • Type SF67**

---

### Technical Data

- **Connection Thread**
  - 1-1/2–16 UN

- **Seal Contour**
  - Type B (see page C133)

- **Sealing Material**
  - NBR (Buna-N)

- **Operating Pressure**
  - Max. 14 bar / 200 PSI

- **Differential Pressure**
  - Max. 5.5 bar / 80 PSI (for any application with no bypass valve)

- **Burst Pressure**
  - Max. 20 bar / 290 PSI

- **Temperature Range**
  - -32°C ... +100°C / -25°F ... +212°F

- **Media Compatibility**
  - Mineral oils, other fluids on request

### Dimensions

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Inorganic Glass Fibre</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF6702-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
</tr>
<tr>
<td>SF6703-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
</tr>
<tr>
<td>SF6704-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
</tr>
<tr>
<td>SF6705-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
</tr>
<tr>
<td>SF6706-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
</tr>
<tr>
<td>SF6707-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
</tr>
<tr>
<td>SF6708-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
</tr>
<tr>
<td>SF6709-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
</tr>
<tr>
<td>SF6710-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
</tr>
<tr>
<td>SF6711-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
</tr>
<tr>
<td>SF6712-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
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<tr>
<td>SF6713-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
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<tr>
<td>SF6714-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
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<tr>
<td>SF6715-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
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<tr>
<td>SF6716-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
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<tr>
<td>SF6717-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
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<tr>
<td>SF6718-MG</td>
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<tr>
<td>SF6719-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
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<tr>
<td>SF6720-MG</td>
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<tr>
<td>SF6721-MG</td>
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</tr>
<tr>
<td>SF6722-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
</tr>
<tr>
<td>SF6723-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
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<tr>
<td>SF6724-MG</td>
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<td>SF6725-MG</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
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<td>SF6726-MG</td>
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<tr>
<th>Order Code</th>
<th>SF6720</th>
<th>SF6721</th>
<th>SF6710</th>
<th>SF6711</th>
<th>SF6790</th>
<th>SF6791</th>
<th>SF6721-W</th>
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<tr>
<td>SF6720</td>
<td><img src="image" alt="Image of Spin-On Filter" /></td>
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<td>SF6711</td>
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<td>SF6790</td>
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<td>SF6791</td>
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<td>SF6721-W</td>
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**Product Description**

STAUFF SF67-series Spin-On Elements are used with the STAUFF SF6720/24/25/100/120/130/160/150 and 180 Spin-On Filters.
The following characteristics are valid for mineral oils with a density of 0.85 kg/dm³ and the kinematic viscosity of 30 mm²/s (30 cSt). The characteristics have been determined in accordance to ISO 3968. SFC-35/36 series Spin-On Elements are used with STAUFF SSF-12 Spin-On Filters, SFC-35/36 series Spin-On Elements are used with STAUFF SSF-20 Spin-On Filters, SFC-57/58 series Spin-On Elements are used with STAUFF SSF-20 Spin-On Filters, SFC-57/58 series Spin-On Elements are used with STAUFF SSF-20 Spin-On Filters, SFC-57/58 series Spin-On Elements are used with STAUFF SSF-20 Spin-On Filters, SFC-57/58 series Spin-On Elements are used with STAUFF SSF-20 Spin-On Filters, SF63 series Spin-On Elements are used with STAUFF SLF-02/03/04 Spin-On Filters.
Spin-On Elements • Type SF65

The following characteristics are valid for mineral oils with a density of 0.85 kg/dm³ and the kinematic viscosity of 30 mm²/s (30 cSt). The characteristics have been determined in accordance to ISO 3968. SF65 Spin-On Elements are used with the STAUFF SAF-05/06/07/10/11/13 Spin-On Filters.
The following characteristics are valid for mineral oils with a density of 0.85 kg/dm³ and the kinematic viscosity of 30 mm²/s (30 cSt). The characteristics have been determined in accordance to ISO 3968. SF67 Spin-On Elements are used with the STAUFF S5SF-20/24/25/100/120/130/160/180 Spin-On Filters.
Clogging Indicators

Visual Clogging Indicators

Visual Vacuum Clogging Indicators (for Spin-On Filter in suction line applications)

<table>
<thead>
<tr>
<th>Type</th>
<th>Thread Connection</th>
<th>Unit of scale</th>
<th>Range of scale</th>
<th>Coloured Segments</th>
<th>Valve setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSP</td>
<td>1/8</td>
<td>cm Hg</td>
<td>0 ... 15</td>
<td>-15 ... -15</td>
<td>0.2 bar / 3 PSI</td>
</tr>
<tr>
<td>NPT</td>
<td>1/8</td>
<td>in Hg</td>
<td>-30 ... 0</td>
<td>-10 ... 0</td>
<td>0.2 bar / 3 PSI</td>
</tr>
</tbody>
</table>

Visual Pressure Clogging Indicators (for Spin-On Filter in return line applications)

<table>
<thead>
<tr>
<th>Type</th>
<th>Thread Connection</th>
<th>Unit of scale</th>
<th>Range of scale</th>
<th>Coloured Segments</th>
<th>Valve setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSP</td>
<td>1/8</td>
<td>bar</td>
<td>3 ... 2,5</td>
<td>0 ... 1,2</td>
<td>1.7 bar / 25 PSI</td>
</tr>
<tr>
<td>NPT</td>
<td>1/8</td>
<td>PSI</td>
<td>3 ... 100</td>
<td>0 ... 30</td>
<td>1 bar / 15 PSI</td>
</tr>
</tbody>
</table>

Electrical Clogging Indicators

Electrical Clogging Indicators (for Spin-On Filter in return line or suction line applications)

<table>
<thead>
<tr>
<th>Type</th>
<th>Thread Connection</th>
<th>Unit of scale</th>
<th>Adjustable range / Actuating pressure</th>
<th>Max. over pressure</th>
<th>Spin-on filter application</th>
<th>Valve setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSP</td>
<td>1/8</td>
<td>bar</td>
<td>1.3 (normally open)</td>
<td>80 bar / 1160 PSI</td>
<td>Return line application</td>
<td>1.7 bar / 25 PSI</td>
</tr>
<tr>
<td>NPT</td>
<td>1/8</td>
<td>PSI</td>
<td>5 ... 35</td>
<td>24 bar / 350 PSI</td>
<td>Suction line application</td>
<td>0.2 bar / 3 PSI</td>
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</table>

Technical Data SIE / EPS / EVS

<table>
<thead>
<tr>
<th></th>
<th>Type EPS-1 / 1B</th>
<th>Type EVS-1 / 1B</th>
<th>Type SIE (electrical switch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical data</td>
<td>6 Amp, 125/250 V AC</td>
<td>6 Amp, 125/250 V AC</td>
<td>6V</td>
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<tr>
<td>Protection</td>
<td>DIN 43650 IP55</td>
<td>DIN 43650 IP55</td>
<td>DIN 43650 IP54</td>
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<tr>
<td>Temperature Range</td>
<td>-5°C ... +90°C / +23°F ... +194°F (ambient and media)</td>
<td>-5°C ... +90°C / +23°F ... +140°F (ambient and media)</td>
<td>-5°C ... +90°C / +23°F ... +140°F (ambient and media)</td>
</tr>
<tr>
<td>Diaphragm Material</td>
<td>NBR (Buna-N8)</td>
<td>NBR (Buna-N8)</td>
<td>NBR (Buna-N8)</td>
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<tr>
<td>Housing Material</td>
<td>Brass</td>
<td>Steel</td>
<td>Brass</td>
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<tr>
<td>Adjusting Range</td>
<td>0.35 bar ... 2.0 bar / 5 ... 30 PSI</td>
<td>0.35 bar ... 2.0 bar / 5 ... 30 PSI</td>
<td>1.3 bar / 19 PSI</td>
</tr>
<tr>
<td>Dead Band</td>
<td>20% F.S.</td>
<td>25% F.S.</td>
<td>Max. current (res.) 0.5 A</td>
</tr>
<tr>
<td>Weight</td>
<td>0.1 kg / 0.22 lbs</td>
<td>0.1 kg / 0.22 lbs</td>
<td>Max. current (ind.) 0.07 A</td>
</tr>
<tr>
<td>Weight with Strain Relief</td>
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<td>Available as &quot;normally open&quot; (closes contact at actuating pressure) and as &quot;normally closed&quot; (opens contact at actuating pressure)</td>
</tr>
</tbody>
</table>

Dimensions

Type SIM / SIS

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Material for movement and pressure element: Brass</th>
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<tbody>
<tr>
<td>Type EPS-1 / 1B</td>
<td></td>
</tr>
<tr>
<td>Type EVS-1 / 1B</td>
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<tr>
<td>Type SIE</td>
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<td>Type EPS / EVS</td>
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