Filtration Products

Spin-On Filters

EATON
Powering Business Worldwide
Eaton’s spin-on filters are designed to provide one of the highest cleanliness levels for hydraulic systems, featuring cartridges that are engineered to fit into many leading filter systems on the market.

These filters are available with the following features:
- Compatible with a variety of mediums such as oils, fuels, emulsions, glycol water and synthetic fluids
- Cartridge pressure values in 12, 25 and 35 bar
- Flow rates up to 180 l/min
- Wide range of operating temperatures from -25 °C up to +110 °C
- Buna N gaskets
- Connection sizes: 1/2", 3/4", 1", 1 1/4" in BSPP or NPT
- Other configurations are available upon request

Eaton’s spin-on filters are manufactured and tested according to ISO 2941, ISO 3723 and ISO 2942.
Spin-on filters consist of a head mounted directly in-line with the piping and a cartridge containing a filter element. The cartridge seals to the head to prevent leakage. These filters are an effective and economical choice where the line pressure is low, and there are no strong pressure surges. Filters are easy to replace without special equipment or tooling.

### Technical data and product selection guide

<table>
<thead>
<tr>
<th>Spin-on filter series</th>
<th>Nominal sizes</th>
<th>Max. operating pressure bar</th>
<th>Filter fineness options μm</th>
<th>Filter area cm²</th>
<th>Connection size BSPP or NPT</th>
<th>Bypass valve (optional) * bar</th>
<th>Clogging indicator options *</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPL low pressure</td>
<td>35</td>
<td>12</td>
<td>3, 6, 10, 25</td>
<td>1700</td>
<td>¾”</td>
<td>1.75</td>
<td>03</td>
</tr>
<tr>
<td></td>
<td>55</td>
<td>12</td>
<td>3, 6, 10, 25</td>
<td>2700</td>
<td>¾”</td>
<td>1.75</td>
<td></td>
</tr>
<tr>
<td></td>
<td>75</td>
<td>12</td>
<td>3, 6, 10, 25</td>
<td>4440</td>
<td>1 ¼”</td>
<td>1.75</td>
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<tr>
<td></td>
<td>150</td>
<td>12</td>
<td>3, 6, 10, 25</td>
<td>5980</td>
<td>1 ¼”</td>
<td>1.75</td>
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<tr>
<td>SPM medium pressure</td>
<td>35</td>
<td>25</td>
<td>3, 6, 10, 25</td>
<td>1700</td>
<td>½”</td>
<td>1.75</td>
<td>04</td>
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<tr>
<td></td>
<td>55</td>
<td>25</td>
<td>3, 6, 10, 25</td>
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<td>E9.1, 5, E11.1, 5</td>
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<td>120</td>
<td>20</td>
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<td>3580</td>
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<tr>
<td>SPH high pressure</td>
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<td>3, 6, 10, 25</td>
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<td>¾”</td>
<td>1.75</td>
<td>04</td>
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<tr>
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<td>E12.1, 5</td>
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<td>180</td>
<td>25</td>
<td>3, 6, 10, 25</td>
<td>5010</td>
<td>1 ¼”</td>
<td>1.75</td>
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</tr>
</tbody>
</table>

* Standard filter does not include bypass valve or clogging indicator. Consult Eaton for other options.

### Applications
- Cooling circuits
- Lube oil systems
- Power transmissions
- Compressors
- Hydrostatic charge pumps
- Fuel transfer

### Markets
- Power generation
- Agriculture
- Oil and gas
- Construction
- Forestry
- Mining
- Material handling
For more information, please email us at filtration@eaton.com or visit www.eaton.com/ filtration

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