BOLLFILTER Simplex
TYPE 1.12.2

With flanged connections DN 25–DN 80 optionally with integrated steam heating

Application
Filtration of all liquids. For installation into suction or pressure pipework to protect downstream equipment (pumps, bearings, heat exchangers, valves, pipework etc.) against contamination or accumulation of mud.

Operation
The filter is completely maintenance-free except for checking of the seals and cleaning of filter elements. The pressure drop indicates the contamination degree of the filter. To clean the filter element, the installation must be shut-down or the filter isolated.

Cleaning
Depressurize the filter chamber by means of the venting screw. Lift the housing cover, remove the filter element, rinse it with the cleaning fluid, e.g. BOLL-CLEAN 2000, and clean it by compressed air.

Technical Characteristics
- Filter housing made of cast ductile iron (DN 25 to DN 80) or cast stainless steel (DN25, DN50, DN65 and DN80)
- Certified according to AD 2000, 2014 / 68 / EU and ASME SECT. VIII DIV.1
- Flanged connections according to DIN, ANSI, JIS
- Filter elements: star-pleated 1 element or basket 2 element, optionally as disposable element
- Grade of filtration: 10 micron to 5 mm
- Operating temperature: -10°C to 160°C

Accessories
- Differential pressure indicator optical/optoelectrical
- Cover safety device
- Magnetic bar inside the filter element
- Steam heating
- Bottom fastening for filter size

Pressure stages/Dimensioning

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<thead>
<tr>
<th>In- / Outlet</th>
<th>DN 25</th>
<th>DN 32</th>
<th>DN 40</th>
<th>DN 50</th>
<th>DN 65</th>
<th>DN 80</th>
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<tbody>
<tr>
<td>Cast ductile iron</td>
<td>PN 40</td>
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<td>Cast stainless steel</td>
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Volume flow at
- Δp clear 0.1 bar, Oil 40 cS
  - 5 m³/h 8 m³/h 14 m³/h 21 m³/h 35 m³/h 53 m³/h
- Grade of filtration 50 µm
  - 83 l/min 150 l/min 233 l/min 360 l/min 583 l/min 883 l/min

Advantages
- Minimal pressure losses
- Most compact construction
- Minimal number of components
- Easy cover fastening with only two screws