1. Type index:

1.1. Complete filter: (ordering example)

DUV. 635. 10VG. 30. E. P. - FS. 9. - - AE

1. series:
DUV = pressure filter, change-over with vertical connecting line
2. nominal size:
635
3. filter-material and filter-fineness:
- 80 G = 80 µm stainless steel wire mesh
- 40 G = 40 µm stainless steel wire mesh
- 25 G = 25 µm stainless steel wire mesh
- 10 G = 10 µm stainless steel wire mesh
- 10 VG = 10 µm Interpor fleece (glass fibre)
- 6 VG = 6 µm Interpor fleece (glass fibre)
- 3 VG = 3 µm Interpor fleece (glass fibre)
- 25 API = 25 µm Interpor fleece (glass fibre) according to API
- 10 P = 10 µm paper
4. resistance of pressure difference for filter element:
- 30 = with by-pass p 30 bar
- S = with by-pass p 0 bar
- S1 = with by-pass p 3,5 bar
5. filter element design:
- E = single-end open
6. sealing material:
- F = Nitrile (NBR)
- V = Viton (FPM)
7. filter element specification: (see catalog)
- VA = stainless steel
- ISO6 = see sheet no. 31601
- ISO7 = see sheet no. 31602
8. connection:
- FS = SAE flange connection 3000 PSI
9. connection size:
- 2 = 2 ½”
10. filter housing specification: (see catalog)
- ISO6 = see sheet no. 31605, ISO12 = see sheet no. 41028
11. internal valve:
- without
12. clogging indicator or clogging sensor:
- AE = visual-electrical, see sheet no. 1609
- OP = visual, see sheet no. 1628
- OE = visual-electrical, see sheet no. 1628
- VS1 = electronical, see sheet no. 1607
- VS2 = electronical, see sheet no. 1608

1.2. Filter element: (ordering example)

01NL. 630. 10VG. 30. E. P. -

1. series:
- 01NL = standard filter element according to DIN 24550, T3
2. nominal size:
- 630
3. see type index-complete filter

2. Accessories:
- measure- and bleeder connections, see sheet no. 1650
- evacuation and bleeder connections, see sheet no. 1651
- counter flanges, see sheet no. 1652
- shut-off valve, see sheet no. 1655

Changes of measures and design are subject to alteration!

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fax +49 - (0)6205 - 2094-40 url www.eaton.com/filtration
3. Spare parts:

<table>
<thead>
<tr>
<th>item</th>
<th>qty.</th>
<th>designation</th>
<th>dimension</th>
<th>article no.</th>
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<tr>
<td>1</td>
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<td>filter element</td>
<td>Ø110 x 530</td>
<td>S11NL 530</td>
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<td>317651</td>
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<td>2</td>
<td>screw plug</td>
<td>G ½</td>
<td>300003</td>
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<td>304657 (NBR) 304720 (FPM)</td>
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<td>OP</td>
<td>see sheet no. 1628</td>
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<td>OP</td>
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<td>AE</td>
<td>see sheet no. 1609</td>
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<td>VS2</td>
<td>see sheet no. 1608</td>
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<td>pressure balance valve</td>
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Item 18 execution only without clogging indicator or clogging sensor.

4. Description:

Pressure filters, change-over series DUV 635 are suitable for operating pressure up to 32 bar. Pressure peaks can be absorbed with a sufficient margin of safety. Change-over ball valve between the two filter housings makes it possible to switch from the dirty filter-side to the clean filter-side without interrupting operation.

The filter element consists of star-shaped, pleated filter material which is supported on the inside by a perforated core tube and is bonded to the end caps with a high-quality adhesive. The flow direction is from outside to the inside. These filters can be installed as suction filters. Change-over operation.

For cleaning (see special leaflet 21070 4 and 34448-4) the mesh element respectively to change the glass fibre element remove the cover and take out the element.

Filter finer than 40 µm should use throw-away elements made of paper or Interpor fleece (glass fibre). Filter elements as fine as 5 µm are available; finer filter elements on request.

Internormen Product Line filter elements are known as elements with a high intrinsic stability and an excellent filtration capability, a high dirt-retaining capacity and a long service life.

Internormen Product Line filter are suitable for all petroleum based fluids, HW-emulsions, most synthetic hydraulic fluids and lubrication oils.

Approvals according to TÜV, and the major "Shipyard Classification Societies" D.N.V.; B.V.; G.L.; L.R.S.; R.I.N.A.; A.B.S. and others are possible.

5. Technical data:

- Temperature range: -10°C to +80°C (for a short time +100°C)
- Operating medium: mineral oil, other media on request
- Max. operating pressure: 32 bar
- Test pressure: 64 bar
- Connection system: SAE-flange connection 3000 PSI
- Switching housing material: EN-GJS-400-18-LT3
- Sealing material: Nitrile (NBR) or Viton (FPM), other materials on request
- Mini-measuring connections: G ½
- Evacuation or bleeder connections: G ½
- Volume tank: 2x 5,7 l

Classified under the Pressure Equipment Directive 97/23/EC for mineral oil (fluid group 2), Article 3, Para. 3. Classified under ATEX Directive 94/9/EC according to specific application (see questionnaire sheet no. 34279-4)

6. Symbols:

- Without indicator
- With electrical indicator
- With visual electrical indicator

7. Pressure drop flow curves:

- Precise flow rates see 'Interactive Product Specifier', respectively δP-curves; depending on filter fineness and viscosity.

8. Test methods:

Filter elements are tested according to the following ISO standards:

- ISO 2941 Verification of collapse/burst resistance
- ISO 2942 Verification of fabrication integrity
- ISO 2943 Verification of material compatibility with fluids
- ISO 3723 Method for end load test
- ISO 3724 Verification of flow fatigue characteristics
- ISO 3968 Evaluation of pressure drop versus flow characteristics
- ISO 16889 Multi-pass method for evaluating filtration performance