Description

The Offline Filter Pressure (OLFP) is a stationary offline filter and is used to remove oil aging products, water and solid particles from hydraulic and lubrication fluids.

Thanks to its compact construction, the OLFP is also ideally suited for use in even the smallest of installation spaces. The housings are pressure resistant up to 20 bar. Since the housing material is aluminium, the filters are also suitable for low-temperature applications.

The flow can be taken directly from the main flow through an orifice and the orifice determines the flow rate. The offline filters can also be equipped with a motor-pump unit and an inductive particle counter, as an option.

The Trimicron series of filter elements NxTMxxx have been specially developed for the combined removal of fine particles, water and oil aging products. The most modern filter materials with reliable separation characteristics and high contamination retention capacity are used for this purpose.

Specifications

<table>
<thead>
<tr>
<th></th>
<th>OLF 1</th>
<th>OLF 3</th>
<th>OLF 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Pressure:</td>
<td>Max. 363 psi (25 bar)</td>
<td>Max. 290 psi (20 bar)</td>
<td></td>
</tr>
<tr>
<td>Fluid Temp. Range:</td>
<td>-22° F to 176° F (-30° C to 80° C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Operating Viscosity:</td>
<td>1000 cSt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambient Temp. Range:</td>
<td>-22° F to 176° F (-30° C to 80° C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Survival Temp.:</td>
<td>-40° F (-40° C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Temp.:</td>
<td>-40° F to 176° F (-40° C to 80° C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Head Material:</td>
<td>Aluminum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bowl Material:</td>
<td>Aluminum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seals:</td>
<td>FPM/NBR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Filter Housing Content:</td>
<td>-2.4 gal. (-9 liters)</td>
<td>-7.1 gal. (-27 liters)</td>
<td>-11 gal. (-43 liters)</td>
</tr>
<tr>
<td>Hydraulic Port (IN/OUT):</td>
<td>See table</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Filter Element:</td>
<td>1 x N1TMXXX</td>
<td>1 x N3TMXXX</td>
<td>2 x N3TMXXX</td>
</tr>
<tr>
<td>Weight:</td>
<td>Approx. 46.3 lbs (21 kg)</td>
<td>Approx. 82 lbs (37 kg)</td>
<td>Approx. 90 lbs (41 kg)</td>
</tr>
</tbody>
</table>
OLFP 3/6

Hydraulic Schematic

*Option: Differential pressure indicator

Replacement Elements

<table>
<thead>
<tr>
<th>Model Code</th>
<th>Micron Rating</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1TM003</td>
<td>3</td>
<td>3284980</td>
</tr>
<tr>
<td>N3TM003</td>
<td>3</td>
<td>3566060</td>
</tr>
</tbody>
</table>
## How to Build a Valid Model Number for a Schroeder OLF-P:

<table>
<thead>
<tr>
<th>BOX 1</th>
<th>BOX 2</th>
<th>BOX 3</th>
<th>BOX 4</th>
<th>BOX 5</th>
<th>BOX 6</th>
<th>BOX 7</th>
<th>BOX 8</th>
<th>BOX 9</th>
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<tr>
<td>OLFPC = Offline Filter - Pressure with Condition Monitoring (TCM)</td>
<td>Size</td>
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<tr>
<td>6 = Filter size 6 (2 x filter element N3TM003 *)</td>
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### Example:

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### OLF-P Model Number Selection

**Box 1: Series**
- OLFPC = Offline Filter - Pressure with Condition Monitoring (TCM)

**Box 2: Size**
- 1 = Filter size 1 (1 x filter element N1TM003 *)
- 3 = Filter size 3 (1 x filter element N3TM003 *)
- 6 = Filter size 6 (2 x filter element N3TM003 *)

**Box 3: Flow Rate**
- 2 = 0.53 gpm (2 L/min)
- 3 = 0.79 gpm (3 L/min)
- 6 = 1.59 gpm (6 L/min)
- Z = variable (without pump)

**Box 4: Type of Pump**
- O = with orifice
- G = gear pump
- Z = without

**Box 5: Motor**
- M = 230 V/50 Hz/1 Phase/0.37 kW
- N = 400 V/50 Hz/3 Phase/0.37 kW
- AB = 690 V/50 Hz/1 Phase/0.37 kW
- X = Other voltages
- N60, M60 = Operation at 60 Hz
- Z = Without electric motor

**Box 6: Contamination Monitoring**
- M = TMS
- A = TWS
- Z = Omit

**Box 7: Element Type**
- TM = Trimicron

**Box 8: Sealing Material**
- N = NBR
- F = FPM

**Box 9: Clogging Indicator**
- E = Standard, back-pressure indicator
- B = Differential pressure indicator, visual (VM2BM.x)
- C = Differential pressure indicator, electrical (VM2C.x)
- D3 = Differential pressure indicator, visual/electrical (VM2D.x)
- D38 = Differential pressure indicator, visual/electrical (VL x GW.0 /-V-113)
- Z = Omit

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**Appendix**

- CS 1000
- CS 1939
- CSI-C-11
- HY-TRAX®
- RBSA
- CSM
- FCU
- MCS
- AS
- SMU
- CTU
- EPK
- Trouble Check Plus
- HMG2500
- HMG4000
- ET-100-6
- HTB
- RFSA
- HFS-BC
- HFS-15
- MFD-BC
- MFS, MFD
- HY-TRAX®
- Retrofit System
- MFD-MV
- MFS-HV
- AMS, AMD
- FS
- AMFS
- KLS, KLD
- MCO
- AKS, AKD
- LSN, LSA, LSW
- X Series
- OLF Compact
- OLF
- OLF-P
- NxTM
- VEU-F
- IXU
- Triton-A
- Triton-E
- NAV
- SVD01
- SVD
- OXS
- Appendix