

## Filtration

### Suction Filters



1 AS 080; 2 S0.0426; 3 LS 025; 4 ES 075

#### Features

- › Nominal flow rate: up to 350 l/min (92 gpm)
- › Fineness: 100...280 µm (c)
- › Hose connection: 32...60.5 Ø
- › Connection: G½...G2½  
-12 SAE, -20 SAE
- › Suction filters to be installed in the suction line of the pump or with thread or hose connection. For in-tank, side-tank and in-line mounting.

### Return Filters



1 D 170; 2 E 103; 3 E 222; 4 E 503

#### Features

- › Nominal flow rate: up to 900 l/min (238 gpm)
- › Operating pressure: up to 10 bar (145 psi)
- › Fineness: 5...100 µm (c)
- › Connection: Ø 17.5...Ø 20.5  
(hose connection)  
G½...G2½  
SAE 2...SAE 2½  
-12 SAE... -24 SAE
- › In-line, tank-top mounting or for mounting in a separate return flow tank section, optionally with integrated replaceable ventilating filter [2 µm (c)], or extension pipe and diffuser.

### Return-Suction Filters



1 E 084; 2 E 088; 3 E 198; 4 E 998

#### Features

- › Nominal flow rate: up to 850 l/min (225 gpm)
- › Operating pressure: up to 10 bar (145 psi)
- › Fineness: 10, 16 µm (c)
- › Connection: G¾...G1½  
SAE 1½...SAE 2½  
-12 SAE... -24 SAE
- › In-line or tank-top mounting, with boost pump connection (0.5 bar charge pressure) for hydrostatic drives.

## Filter Cooling Systems

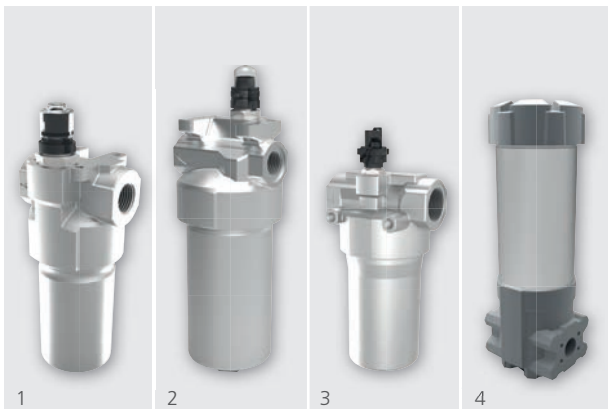


FNK 050

### Features

- › Nominal flow rate: up to 45 l/min (12 gpm)
- › Operating pressure: up to 10 bar (145 psi)
- › Fineness: 5 µm (c)
- › Cooling capacity: up to 45 kW
- › Filter cooling systems used as main flow-filter or off-line filter.

## Pressure Filters

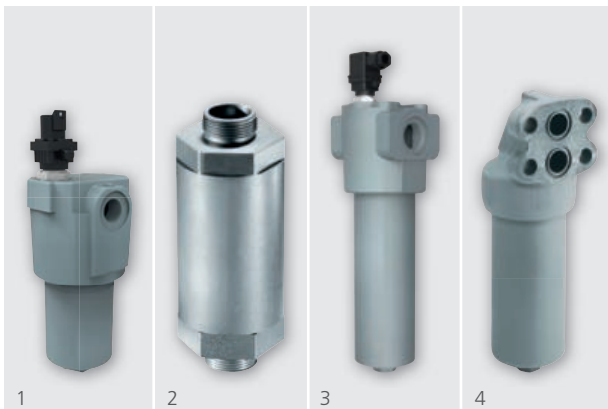


1 D 042; 2 D 072; 3 D 162; 4 FNL 1000

### Features

- › Nominal flow rate: up to 2000 l/min (528 gpm)
- › Operating pressure: up to 100 bar (1450 psi)
- › Fineness: 5...30 µm (c)
- › Connection: G½...G2½  
-8 SAE... -24 SAE
- › In-line mounting, clogging indicator electrical and / or optical.

## High Pressure Filters



1 HD 049, 2 HD 081, 3 HD 172, 4 HD 414

### Features

- › Nominal flow rate: up to 1000 l/min (264 gpm)
- › Operating pressure: up to 600 bar (8702 psi)
- › Fineness: 5...100 µm (c)
- › Connection: 2 x Ø 15, 2 x Ø 31  
(flange connection)  
G½...G1½  
-8 SAE... -24 SAE  
SAE 1¼...SAE 2  
M65 x 1.5...M108 x 1.5  
(filter kits)
- › Block mounting / inline mounting / flange connection, optionally reverse flow function, clogging indicator electrical and / or optical.

## Filtration

### Stainless Steel High Pressure Filters



HFL 055

#### Features

- › Nominal flow rate: up to 200 l/min (53 gpm)
- › Pressure: up to 630 bar (9137 psi)
- › Fineness: 10...60 µm (c)
- › Connection: G½...G1
- › In-line mounting, with optical clogging indicators. Other designs are available on request. Suitable for almost all media and applications.

### Filling and Ventilating Filters



1 L1.0406; 2 L1.0506; 3 LE.0817; 4 LT.1021

#### Features

- › Air flow: up to 850 l/min (225 gpm)
- › Oil flow: up to 140 l/min (37 gpm)
- › Fineness: 2 µm (c)
- › Connection: G¾  
-12 SAE... -20 SAE  
¾ - 14 NPT  
M18 x 1.5...M60 x 2
- › Regulation of pressure changes in the reservoir and oil level monitoring. Options: Double check valve, dipstick, "Vandalism proof" types.

### Accessories



1 DG 062/DG 064; 2 DG 200; 3 DG 819; 4 DG 040/041

#### Manometers

- › Optical: green / red -0.25, 1.0 / 2.0 bar (-3.6, 14.5 / 29 psi)

#### Pressure switches

- › Electrical: Switching pressure -0.15, -0.25, 1.2...2.5 bar (-2.18, -3.6, 17.4...36 psi)

#### Differential pressure indicators

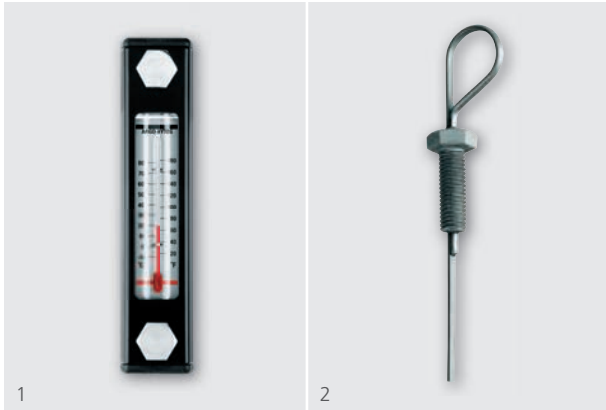
- › Optical: Response pressure 2...5 bar (29...73 psi)

#### Differential pressure switches

- › Electrical / optical Switching pressure 1.2...5 bar (17.4...72.5 psi)
- › Monitors the clogging condition of suction, return, return-suction, pressure and high-pressure filters.

## Filtration

### Oil Level Gauges with Thermometer & Dipsticks



1 C5; 2 C4

#### Features Oil Level Gauges

- › Level range: 33...194 mm (1.3...7.6 inch)
- › Temperature scale: -10...+80 °C (+14...+176 °F)
- › Indicates the oil level and the oil temperature in hydraulic oil or lubricant reservoirs.

#### Features Dipsticks

- › Dipstick length: 100...640 mm (3.94...25.2 inch)
- › Bolt thread: M10
- › Checks the oil level in hydraulic oil or lubricant reservoirs.

### Customized Filter Solutions



1 E 077; 2 D 145; 3 E 598; 4 LS 250

#### Features

- › Customized filter and system solutions developed for special applications, and designed in cooperation with our customers.

### Filter Elements



1 Paper Element; 2 EXAPOR®MAX 2; 3 Screen Element;  
4 Glass Fiber Element

#### Features

- › Glass Fiber Elements
  - EXAPOR®MAX 2
  - EXAPOR®SPARK PROTECT
  - EXAPOR®AQUA
- › Paper Elements
- › Screen Elements
- › Polyester Elements
- › ReFit Elements
- › Glass Fiber Elements
  - MaxFit
  - LightFit