

# Rexroth Filters

## Product Range



# Rexroth Filter Technology



Rexroth offers a complete portfolio consisting of filters and filter elements with the latest technology for highest performance. Covering each application Rexroth has the right solution for the filtration of hydraulic fluids, lubricants, industrial liquids and gases. Our product range includes measuring devices for oil cleanliness, water concentration and specific condition monitoring systems for hydraulic fluids.

Rexroth's wide portfolio of filters ensures optimum operating conditions over the entire lifecycle, thus reducing the total cost of ownership. As with all products and solutions, Rexroth consequently complies with international standards. This opens up the technical advantages of Rexroth filter technology for any application, irrespective of the original equipment manufacturer. And the closely meshed worldwide sales and service network always ensures short distances and qualified advice.

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## Return Line Filters



◀ Tank Mounted Filter

**10 TE(N)**  
Size 0040 – 2500

Max. Pressure	Max. Flow rate	Data sheet
10 bar	1300 l/min	51424
145 psi	343 gpm	51424



◀ Tank Mounted Filter  
Change over

**10 TD(N)**  
Size 0015 – 0270

Max. Pressure	Max. Flow rate	Data sheet
10 bar	800 l/min	51454
145 psi	211 gpm	51454

## Inline Filters



◀ Inline Filter

**50 LE(N)**  
Size 0040 – 0400

Max. Pressure	Max. Flow rate	Data sheet
110 bar	450 l/min	51447
1595 psi	119 gpm	51447



◀ Inline Filter

**110 LE(N)**  
Size 0040 – 0400

Max. Pressure	Max. Flow rate	Data sheet
110 bar	450 l/min	51448
1595 psi	119 gpm	51448



# Inline Filters



◀ Inline Filter  
**245 LE(N)**  
Size 0040 – 0400

Max. Pressure	Max. Flow rate	Data sheet
250 bar	450 l/min	51421
3625 psi	119 gpm	51421



◀ Inline Filter  
**350 LE(N)**  
Size 0040 – 1000

Max. Pressure	Max. Flow rate	Data sheet
350 bar	700 l/min	51422
5075 psi	185 gpm	51422



◀ Inline Filter  
**445 LE(N)**  
Size 0040 – 1000

Max. Pressure	Max. Flow rate	Data sheet
450 bar	700 l/min	51423
6525 psi	185 gpm	51423



◀ Inline Filter  
**40 FLE(N)**  
Size 0160 – 0270

Max. Pressure	Max. Flow rate	Data sheet
40 bar	2000 l/min	51401
580 psi	528 gpm	51401



◀ Inline Filter  
**100 FLE(N)**  
Size 0160 – 1000

Max. Pressure	Max. Flow rate	Data sheet
100 bar	1700 l/min	51402
1450 psi	449 gpm	51402

## Inline Filters



◀ Inline Filter

**16 FE**  
Size 2500 – 7500

Max. Pressure	Max. Flow rate	Data sheet
16 bar	16000 l/min	51403
232 psi	4227 gpm	51403

## Duplex Filters



◀ Duplex Filter

**50 LD(N)**  
Size 0040 – 0400

Max. Pressure	Max. Flow rate	Data sheet
160 bar	450 l/min	51453
2321 psi	119 gpm	51453



◀ Duplex Filter

**150 LD(N)**  
Size 0040 – 0400

Max. Pressure	Max. Flow rate	Data sheet
160 bar	450 l/min	51446
2321 psi	119 gpm	51446



◀ Duplex Filter

**400 LDN**  
Size 0040 – 1000

Max. Pressure	Max. Flow rate	Data sheet
400 bar	300 l/min	51429
5802 psi	79 gpm	51429



◀ Duplex Filter

**40 FLD(N)**

Max. Pressure	Max. Flow rate	Data sheet
40 bar	2000 l/min	51408
580 psi	528 gpm	51408

# Duplex Filters



◀ Duplex Filter

**40 FLDK(N)**  
Size 0160 – 0630

Max. Pressure	Max. Flow rate	Data sheet
40 bar	1500 l/min	51407
5800 psi	396 gpm	51407



◀ Duplex Filter

**100 FLD(N)**  
Size 0160 – 1000

Max. Pressure	Max. Flow rate	Data sheet
100 bar	1700 l/min	51409
1450 psi	449 gpm	51409



◀ Duplex Filter

**16 FD**  
Size 2500 – 7500

Max. Pressure	Max. Flow rate	Data sheet
16 bar	16000 l/min	51410
232 psi	4227 gpm	51410

# Manifold Mounted Filters



◀ Manifold Mounted Filter  
(bottom flanged)

**450 PBF(N)**  
Size 0040 – 1000

Max. Pressure	Max. Flow rate	Data sheet
450 bar	500 l/min	51417
6525 psi	132 gpm	51417



◀ Manifold Mounted Filter  
(side flanged)

**245 PSF(N)**  
Size 0040 – 0400

Outflow over Inflow

Max. Pressure	Max. Flow rate	Data sheet
250 bar	400 l/min	51418
3625 psi	106 gpm	51418



◀ Manifold Mounted Filter  
(side flanged)

**350 PSF(N)**  
Size 0040 – 1000

Outflow over Inflow

Max. Pressure	Max. Flow rate	Data sheet
350 bar	600 l/min	51419
5075 psi	132 gpm	51419



◀ Manifold Mounted Filter  
(side flanged)

**250/450 FE(N)**  
Size 0040 – 1000

Inflow over Outflow

Max. Pressure	Max. Flow rate	Data sheet
250/450 bar	600 l/min	51405
3625/6525 psi	132 gpm	51405



◀ Manifold Mounted Filter  
(sandwich plate mounting)

**320 PZR**  
Size 025 – 075

Max. Pressure	Max. Flow rate	Data sheet
320 bar	33 l/min	51427
4641 psi	8.72 gpm	51427



# Suction Filters and Spin On Filters



◀ Suction Filter

**S**  
Size 8 – 455

Max. Flow rate	Data sheet
1000 l/min	20/03/07.06/1000
264 gpm	20/03/07.06/1000



◀ Suction Filter

**SE**  
Size 56 – 560

Max. Flow rate	Data sheet
1000 l/min	20/03/07.06/1000
264 gpm	20/03/07.06/1000



◀ Spin On Filter

**7 SL**  
Size 30 – 260

Max. Pressure	Max. Flow rate	Data sheet
7 bar	300 l/min	51426
102 psi	79 gpm	51426



◀ Spin On Filter

**7 SLS**  
Size 90 – 260

Max. Pressure	Max. Flow rate	Data sheet
7 bar	300 l/min	51426
102 psi	79 gpm	51426



◀ Spin On Filter

**50 SL**  
Size 30 – 80 D

Max. Pressure	Max. Flow rate	Data sheet
50 bar	120 l/min	51426
725 psi	32 gpm	51426

## Breather Filters



◀ Breather Filter

**FEF 0, FEF 1**  
Size 0 - 20

Max. Flow rate	Data sheet
400 l/min	51413
106 gpm	51413



◀ Breather Filter

**BF 7 SL..., BS 7 SL...,  
BE 7 SL..., B7 SL**  
Size 45/21 - 130

Max. Flow rate	Data sheet
1800 l/min	51414
476 gpm	51414



◀ Breather Filter

**TLF I, TLF II, TLF III**  
Size 1 - 25 - 8 - 250

Max. Flow rate	Data sheet
80000 l/min	51415
21100 gpm	51415



◀ Breather Filter  
with silical gel

**BFSK**  
Size 45/21 - 130

Max. Flow rate	Data sheet
2000 l/min	51412
528 gpm	51412

## Strainer Filters



◀ Strainer Filter

**16/40 FKE**  
Size 25/400 – 150/2500

Max. Pressure	Max. Flow rate	Data sheet
16/40 bar	2000 l/min	58B/02/02.07/1000
232/580 psi	528 gpm	58B/02/02.07/1000



◀ Strainer-Duplex Filter

**16/40 FKD**  
Size 25/400 – 100/1500

Max. Pressure	Max. Flow rate	Data sheet
16/40 bar	2000 l/min	58B/02/02.07/1000
232/580 psi	528 gpm	58B/02/02.07/1000

## Sensors/Measurement Technology



◀ Sampling Equipment

**PZK-300**

Application	Data sheet
Samples from pressure lines and oil tank	65B

## Sensors/Measurement Technology



## ◀ Online Particle Counter

**MPC 4614****Application**

Measured variable: Oil cleanliness level ISO 4406, SAE AS 4059  
 Measuring range: 4 - 21 µm (c)

**NEW!** Auxiliary pump and printer available

**Data sheet**

51430



## ◀ Online Particle Monitor

**OPM 4000****Application**

Measured variable:  
 Oil cleanliness level ISO 4406  
 4,6,14 and 21 µm (c)

**Data sheet**

65H



## ◀ Online Water Content Monitor

**WGM 07****Application**

Application: Online Measurement of water activity in hydraulic and lubrication oil.  
 Measuring range: 0...100 % of saturation level of water in oil

**NEW!** Data logging and LAN module available

**Data sheet**

65G



## ◀ Online Water Content Monitor

**WGMS****Application**

Application: Online Measurement of water activity in hydraulic and lubrication oil.  
 Measuring range: 0...100% of saturation level of water in oil

**Data sheet**

65L

# Oil Conditioning



◀ VacuClean®  
Filter system

**20 VCM / VCS**

Application	Data sheet
Performance Data: Vacuum up to 50 mbar (0.7 psi) Oil flow rate: 20 l/min (5 gpm)	51424-B



◀ VacuClean®  
Filter system

**50 VCM / VCS  
80 VCM / VCS**

Application	Data sheet
Performance Data: Vacuum up to 50 mbar (0.7 psi) Variable oil flow rate: 5 - 50 l/min (1 - 10 gpm), 5 - 80 l/min (1 - 20 gpm)	51435-B



◀ Bypass Filter System  
(portable)

**15 NFT**

Application	Data sheet
Oil flow rate: 15 l/min (4 gpm) Filter: 7 SL 45	51431-B



◀ Bypass Filter System  
(portable)

**35 NFT**

Application	Data sheet
Oil flow rate: 35 l/min (9 gpm) Filter: 7 SL 130	51431-B

# Oil Conditioning



◀ Bypass Filter System  
(portable)

**10 NFF2 0018**

Application	Data sheet
Oil flow rate: 10 l/min (2.6 gpm) Filter: 40 LE 0018	51432-B



◀ Bypass Filter System  
(two wheel)

**30 NFF2 0045**  
**50 NFF2 0095**  
**80 NFF2 0120**

Application	Data sheet
Oil flow rate: 30 l/min (8 gpm), 50 l/min (13 gpm), 80 l/min (21 gpm) Filter: 40 FLE 0045, 40 FLE 0095, 40 FLE 0120	51433-B



◀ Bypass Filter System  
(four wheel)

**80 NFF2 0270C**  
**150 NFF2 0270C**

Application	Data sheet
Oil flow rate: 80 l/min (21 gpm) Variable oil flow rate: 40 - 80 l/min (10 - 21 gpm)	91B

# Filter Elements



◀ Filter Elements:

**Typ 1.**  
**Typ 2.**

**Size according to  
DIN 24550  
0040 – 1000  
Size 0003 – 0270**

Application	Data sheet
Collapse pressure resistance up to 330 bar (up to 4786 psi) Filter rating 1-1500 µm	51420



◀ Filter Elements:

**Typ 9.**  
**Typ 10.**  
**Typ 16.**  
**Typ 17.**  
**Typ 18.**

Application	Data sheet
Replaceable filter elements of all commercial filter sizes for the service	
Collapse pressure resistance up to 330 bar (up to 4786 psi) Filter rating 1-1500 µm	

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