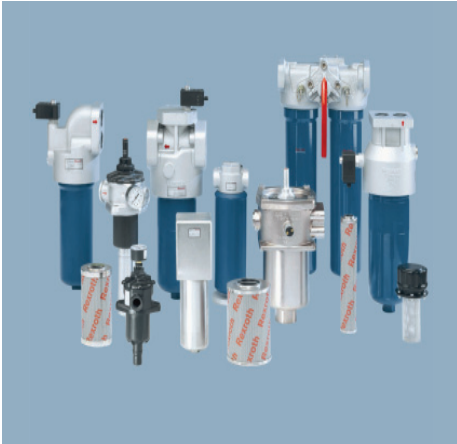


# Hydraulic Filter Index



Rexroth is now offering a complete portfolio consisting of filters and filter elements with the latest technology for the highest performance. For each application, Rexroth has the right solution for the filtration of hydraulic fluids.

*To go directly to a specific type click on one of the titles below.*



**Breather Filters**



**Duplex Filters**



**Return Line Filters**



**Manifold Mounted Filters**



**Inline Filters**



**Filter Elements**



**Spin-on Filters**





# Hydraulic Filters



## Breather Filters

Filtration and dehumidification of the intake air of industrial systems.  
Avoidance of initial damage in pumps and bearings.

*Click the data sheet numbers to open the PDF file.*

Breather Filters				
Product Photo	Model	Description	Size	Data Sheet
	BFSK	Silica gel air filter	45/21 to 130	RE 51 412
	FEF 0 FEF 1 BFS 7... BFS 20...	<b>Breather filter</b> Connections up to DN 55 Operating temperature -20 to +100	0 and 1 7 and 20	RE 51 413
	B 7 SL BE 7 SL BS 7 SL BF 7 SL	<b>Breather filter</b> Connections up to DN 32 Operating temperature -20 to +100	45/21, 90, 130	RE 51 414
	TLF I, TLF II, TLF III	<b>Breather filter</b> Connections up to DN 250 Operating temperature -20 to +100	1 - 25 8 - 250	RE 51 415

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# Hydraulic Filters



## Return Line Filters

- Special highly efficient filter media
- Adsorption of finest particles over a wide pressure differential range
- High contamination retention capacity due to large specific adsorption surface
- Good chemical resistance of the filter elements
- High collapsing strength of the filter elements (e.g. in the case of cold starts)
- Filter ratings 3 to 10  $\mu\text{m}$
- By default equipped with mechanical optical clogging indicator with memory function

*Click the data sheet numbers to open the PDF file.*

Return Line Filters				
Product Photo	Model	Description	Size	Data Sheet
	10 TEN	Tank Mounted Return Line Filter	40 to 1000	RE 51 424
	10 FREN	Tank Mounted Return Line Filter	160 to 1000	RE 51 425




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# Hydraulic Filters



## Inline Filters




*Click the data sheet numbers to open the PDF file.*

Inline Filters				
Product Photo	Model	Description	Size	Data Sheet
	40/100 LEN	<b>Line Filter</b> Connections up to G 1-1/2 Operating temperature -10°C to +100°C	40 to 400	RE 51 400
	40 FLEN	<b>Line Filter</b> Connections up to SAE 4" Operating temperature -10°C to +100°C	160 to 1000	RE 51 401
	100 FLEN	<b>Line Filter</b> Connections up to SAE 3" Operating temperature -10°C to +100°C	160 to 630	RE 51 402

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# Hydraulic Filters

*Click the data sheet numbers to open the PDF file.*

Inline Filters - continued				
Product Photo	Model	Description	Size	Data Sheet
	16 FE	<b>Line Filter</b> Connections up to DN 300 Operating temperature -10°C to +90°C	2500 to 7500	RE 51 403
	250/450 LEN	<b>Line Filter</b> Connections up to SAE 2 1/2" Operating temperature -10°C to +100°C	40 to 1000	RE 51 404
	245 LEN 245 LE	<b>Line filter with filter element according to DIN 24550</b> Connections up to SAE 2 1/2" Operating temperature -10°C to +100°C	40 to 400	RE 51 421




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# Hydraulic Filters



Duplex Filters


*Click the data sheet numbers to open the PDF file.*

Duplex Filters				
Product Photo	Model	Description	Size	Data Sheet
	LDN	<b>Duplex Filter</b> Nominal pressures 40, 160 bar Connections up to SAE 1-1/2" Operating temperature -10°C to +100°C	40 to 400	RE 51 406
	FLKDN	<b>Duplex Filter</b> Nominal pressures 40 bar Connections up to DN 80 Operating temperature -10°C to +100°C	63 to 630	RE 51 407
	FLDN 40 100	<b>Duplex Filter with Segment Change Over</b> Nominal pressures 40 & 100 bar Connections up to DN 100 Operating temperature -10°C to +100°C	160 to 1001	RE 51 408 RE 51 409

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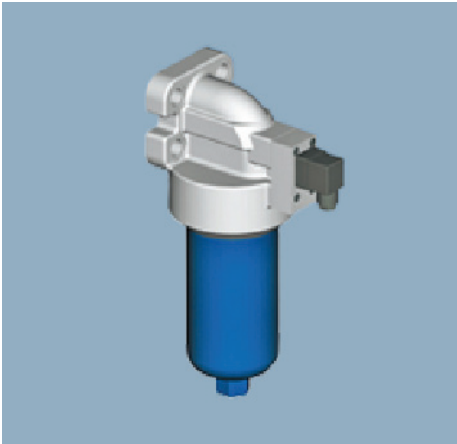
# Hydraulic Filters

*Click the data sheet numbers to open the PDF file.*

Duplex Filters				
Product Photo	Model	Description		Data Sheet
	FD	<b>Duplex Filter</b> Nominal pressures 16 bar Connections up to DN 300 Operating temperature -10°C to +90°C	2500 to 7500	RE 51 410
	250/450 LDN	<b>Duplex Filter</b> Nominal pressures 250; 450 bar Connections up to SAE 2" Operating temperature -10°C to +100°C	40 to 1000	RE 51 411

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# Hydraulic Filters



## Manifold Mounted Filters

- Low pressure drop
- Special highly efficient filter media
- Flow-optimised design due to 3D computer-supported design
- Type FEN according to DIN 24550, type FE according to BRFS

*Click the data sheet numbers to open the PDF file.*

Manifold Mounted Filters				
Product Photo	Model	Description	Size	Data Sheet
	450 PBFN 450 PBF	<b>Block mounting filter for vertical flange-mounting</b> Connection up to DN 40 Operating temperature -10 °C to 100 °C [14 °F to 212 °F]	40 to 1000	RE 51 417
	245 PSFN 245 PSF	<b>Block mounting filter for lateral flange-mounting</b> Connection up to DN 40 Operating temperature -10 °C to 100 °C [14 °F to 212 °F]	40 to 4000	RE 51 418
	350 PSFN 350 PSF	<b>Block mounting filter for lateral flange-mounting</b> Port up to Ø 38 Operating temperature -10 °C to 100 °C [14 °F to 212 °F]	40 to 1000	RE 51 419

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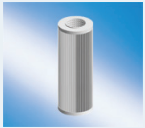
# Hydraulic Filters



## Filter Elements

The central components of any filter are the filter elements. The filtration takes place here. Rexroth filter elements are used for the filtration of pressure fluids, lubricants, industrial fluids and gases.

*Click the data sheet numbers to open the PDF file.*

Filter Elements			
Product Photo	Model	Description	Data Sheet
	63_08	<p><b>Filter Elements</b>                      For all fields of applications                      Types: Fiber glass, filter paper, wire mesh, non-woven and metal fiber                      Achievable oil purity up to ISO 12/8/3 (ISO 4406)                      Filtration quotient <math>\beta_x = 1000</math>                      Cleanable filter material                      Superior contamination retention due to two-layer glass fiber technology</p>	63_GB_03




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# Hydraulic Filters



## Spin-on Filters

*Click the data sheet numbers to open the PDF file.*

Spin-on Filters				
Product Photo	Model	Description	Size	Data Sheet
	-	Spin-on Filters	40 to 1000	42_01
	450 PBFN 450 PBF	<b>Block mounting filter for vertical flange-mounting</b> Connection up to DN 40 Operating temperature -10 °C to 100 °C [14 °F to 212 °F]	40 to 1000	RE 51 417
	245 PSFN 245 PSF	<b>Block mounting filter for vertical flange-mounting</b> Connection up to DN 40 Operating temperature -10 °C to 100 °C [14 °F to 212 °F]	40 to 400	RE 51 418

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