

# Rexroth-Filters

## Product-Range

**Cyclone-Effect**  
for improved filtration

**Filter elements with  
Pure Power (PWR)**  
for longer machine  
availability

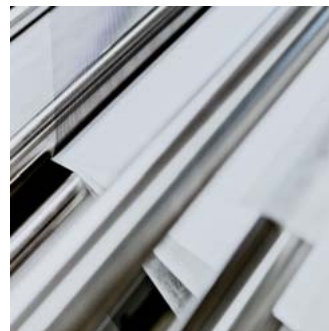


**rexroth**  
A Bosch Company

# Rexroth Product-Range

Rexroth offers a complete portfolio of filters and filter elements engineered with the latest technology in hydraulic filtration in order to deliver the highest performance. For any application, Rexroth offers the right solution for the filtration of hydraulic fluids, lubricants and industrial liquids.

Our product range includes measuring devices for oil cleanliness, water concentration and condition monitoring systems for hydraulic fluids. Rexroth's wide portfolio of filters ensures optimum operating conditions over the operational life, reducing the total cost of ownership. All Rexroth filtration products and solutions comply with international standards. As a result, Rexroth filter technology can be used in any application regardless of the original equipment manufacturer. Rexroth's worldwide sales and service network ensures easy access to products, services and technical advice.



## Cyclone Filter Head Design means Improved Filtration:

With Cyclone-Effect, fluid flow enters filter housing on tangent to the element, rather than directly against it. Thus oil envelops the element surface and is distributed over the filter media surface in a downward spiral flowing pattern. This patent pending feature ensures heavy contamination particles are carried outward and away from the filter element preventing the pores from blocking prematurely. These heavier particles will accumulate on the inside and bottom of the filter bowl, depending on the actual fluid flow conditions, increasing the dirt holding capacity and extending the time between element replacements by 7-10%.









## Filter elements with PURE POWER:

Filter elements with PURE POWER capture up to 50 percent more particles at a comparable retention rate and low differential pressure. All filter elements are equipped with an additional conductive layer as a standard. It allows for charge exchange between oil and filter material thereby reducing the risk of electrostatic charge and discharge in the filter.



## Return Line Filters

Type	10TE(N)	10TD(N)...-1	25TE
			
<b>Size</b>	0040 - 2500	0040 - 2500	0101 - 1051
<b>Data sheet</b>	RE 51424	RE 51454	RE 51472
<b>Max. Flow rate</b> l/min (gpm)	1300	1300	314
<b>Max. Pressure</b> bar (psi)	10	10	25
<b>Replacement Filter Element</b>	1.0040 - 2500	1.0040 - 2500	20.0101-1051










Type	50LD(N)	150LD(N)	210 / 250LD(N)
			
<b>Size</b>	0040 - 0400	0040 - 0400	0040 - 0400
<b>Data sheet</b>	RE 51453	RE 51446	RE 51484
<b>Max. Flow rate</b> l/min (gpm)	450	450	450
<b>Max. Pressure</b> bar (psi)	50	160	160
<b>Replacement Filter Element</b>	2.0040 - 0400	2.0040 - 0400	2.0040 - 0400

## Filter Elements

Type	Rexroth Filter Elements according to DIN 24550 Typ1., 2.	Replacement Filter Elements Competitor Typ9., 10., 16., 17., 18.	Filter Candle
			
<b>Size</b>	0040 1000 / 0003 - 0270	30 - 1500D / 30 - 2600R	30 MAC
<b>Data sheet</b>	RE 51420	RE 51457, RE 51464, RE 51465, RE 51466	-
<b>Max. Differential Pressure</b> bar (psi)	330	210	5
<b>Features</b>			








## Inline Filters

50LE(N)	110LE(N)	245LE(N)	350LE(N)	445LE(N)
	 	 	 	 
0040 - 0400	0040 - 0400	0040 - 0400	0040 - 1000	0040 - 1000
RE 51447	RE 51448	RE 51421	RE 51422	RE 51423
450	450	450	700	700
50	110	250	350	450
2.0040 - 0400	2.0040 - 0400	2.0040 - 0400	2.0040 - 1000	2.0040 - 1000




## Duplex Filters




400LD(N)	50FLDK	63FLDK	40FLD / 40FLD(N)	100FLD(N)
	 	 		
0040 - 1000	0400 - 2500	0063 - 0250	0201 - 0274 / 0400 - 1001	0160 - 1000
RE 51429	RE 51482	RE 51445	RE 51408	RE 51409
700	2000	450	2000	1700
400	50	63	40	100
2.0040 - 1000	1.0400 - 1.2500		1.0160 - 1001 / 1.0045 - 0274	1.0160 - 1000






Type65.	Type73.	Type	VacuClean VCM 50-2X	"Bypass Filter System 15NFT"
				
1300 - 2600	0110 - 0270	<b>Size</b>	Diverse	45/21, 60/21
RE 51461	RE 51458	<b>Data sheet</b>	RE 51435	RE 51431-B
15	30	<b>Flow rate l/min (gpm)</b>	max. 50	15
		<b>Replacement Filter Element</b>		80.45/21, 60/21





40FLE / FLE(N)	100FLE / FLE(N)	16FE	FEF 0, FEF 1	BF 7 SL..., BS 7 SL..., BE 7 SL..., B 7 SL
				
0045 -0270 / 0160 - 1000	0045 - 0120 / 0160 - 0630	2500 - 7500	0 - 20	45/21 - 130
RE 51401	RE 51402	RE 51403	RE 51413	RE 51414
2000	1700	16000	400	1800
40	100	16		
1.0160 - 0270	1.0045 - 0120	2.0058 - 0059	-	80.45/21 - 130

Manifold Mounted Filters				
16FD	450PBF(N)	245PSF(N)	350PSF(N)	450FE(N)...-2
				
2500 - 7500	0040 - 1000	0040 - 0400	0040 - 1000	0040 - 1000
RE 51410	RE 51417	RE 51418	RE 51419	RE 51467
16000	800	450	800	800
16	450	250	350	450
2.0058 - 0059	2.0040 - 1000	2.0040 - 0400	2.0040 - 1000	2.0040 - 1000

Oil Conditioning			
"Bypass Filter System 35NFT"	"Bypass Filter System 10NFF2"	"Bypass Filter System 30NFF2 / 50NFF2 / 80NFF2"	"Bypass Filter System 80NFF2"
			
90, 130	18	0045 / 0095 / 0120	0270C
RE 51431-B	RE 51432_B	RE 51433-B	91B
35	10	30 / 50 / 80	80
80.90, 130	1.018	1.	1.

Breather Filters		Strainer Filters	
TLF I, TLF II, TLF III	BFSK...-2	16FKE	16FKD
			
1 - 25 / 8 - 250	25 / 40 / 80 / 125	25 / 400 - 500 / 2500	25 / 400 - 150 / 2500
RE 51415	RE 51456	58B/02/02.07/1000	58B/02/02.07/1000
80000	1500	2000	2000
		16	16
7.1-25 - 8 - 250	89.25 - 125	40.400 - 2500	40.400 - 2500

Suction Filters and Spin On Filters					
320PZR	S	SE	7SL	7SLS	50SL
					
025 - 0125	8 - 455	140 - 560	30 - 260	90 - 260	30 - 80D
RE 51468	20/03/07.06/1000	20/03/07.06/1000	RE 51426	RE 51426	RE 51476
33	500	1000	300	300	120
320			7	7	50
2.0025 - 0125	-	6.56 - 560	80.30 - 260	81.90 - 260	82.30 - 80

Sensors/Measurement Technology			
"Maintenance indicators for filters"	"Online Particle Monitor OPM II"	"Online Water Content Monitor WGM 07"	"Online Water Content Monitor WGMS"
			
RE 51450	RE 51456	65 G	65 L
	50 - 400 ml/min	< 1m/sec.	< 1m/sec.

# Intelligent hydraulics combined with multi-technology expertise

As a leading supplier in the field of industrial hydraulics, Rexroth is the leader with our components, systems and extensive know-how and expertise regarding applications and engineering.

From our hydraulics range, which is the widest in the world, Rexroth offers standard products, application-related systems and high quality customer specific special solutions.

Using highly advanced microelectronics, Rexroth has rendered hydraulics even more capable. The products can be easily integrated in state-of-the-art machinery concepts and are extremely powerful and energy efficient. As a supplier of all technologies, Rexroth always provides the perfect application-specific drive solution.

Rexroth is the ideal development partner for highly efficient machinery and production equipment – from the initial contact to commissioning and throughout the entire life cycle.

Worldwide operational teams assume all project planning tasks for your machines and systems until they are ready for start of production or turnkey delivery if desired.

Using the multi-technology expertise and drive and control technology of Rexroth, you will become more competitive than ever.





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