

Lube Oil Filter LOF

Donaldson lube oil filter designed for durability and optimal compressor protection

Product Description:

Oil is vital to your compressor's moving parts. It lubricates, seals, removes heats as it circulates and flushes contaminants out of the machine. Donaldson compressor lube oil filters are designed to keep oil clean by capturing contaminants that can cause compressor damage.

Characteristics:

- Compact system design plus increased efficiency
- Cover a wide range of flow requirements
- Easy to install
- Powder-coated finish



LOF - Structure

Housing Can

Heavy-duty, coated shell, rounded dome and corner radius give Donaldson filters superior pressure fatigue performance.

Filter Cartridge

Donaldson has design and manufacturing experience with both metal (traditional) and metal-free cartridge filters.

Center Tube

The Donaldson louvered center tube and spiral lock seam design allows more flow area with greater collapse strength. The louvers all face the center of the filter, keeping the media side surface smooth, which eliminates pleat tip wear.

Thread Plate

The tapered thread profile makes our filters easy to install with almost no chance of cross threading. Fully tucked seams attach the thread plate to the housing can for strength and durability.

Gaskets

Oil, fuel and hydraulic fluids have their own unique chemical properties. Donaldson makes sure the right materials are used and the right shape to fit the mounting head or housing. In spin-on filters, the inner seal between the thread plate and filter cartridge is critical.

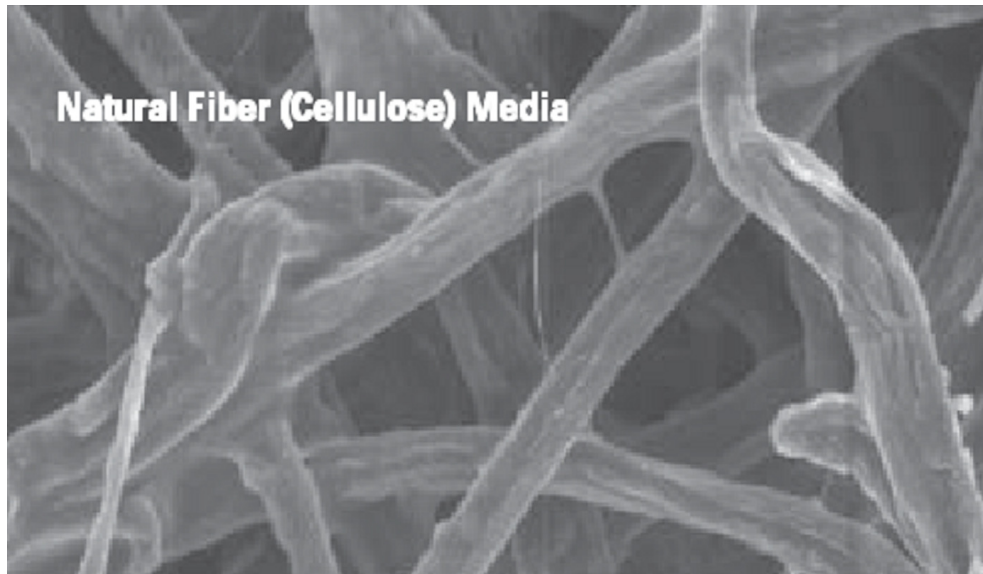
Inner Seals

In spin-on filters, the inner seal between the thread plate and filter cartridge is another critical seal. Donaldson filters use a molded elastomer seal. Competitive designs use non-heavy-duty materials, like paper, cork and spacers.



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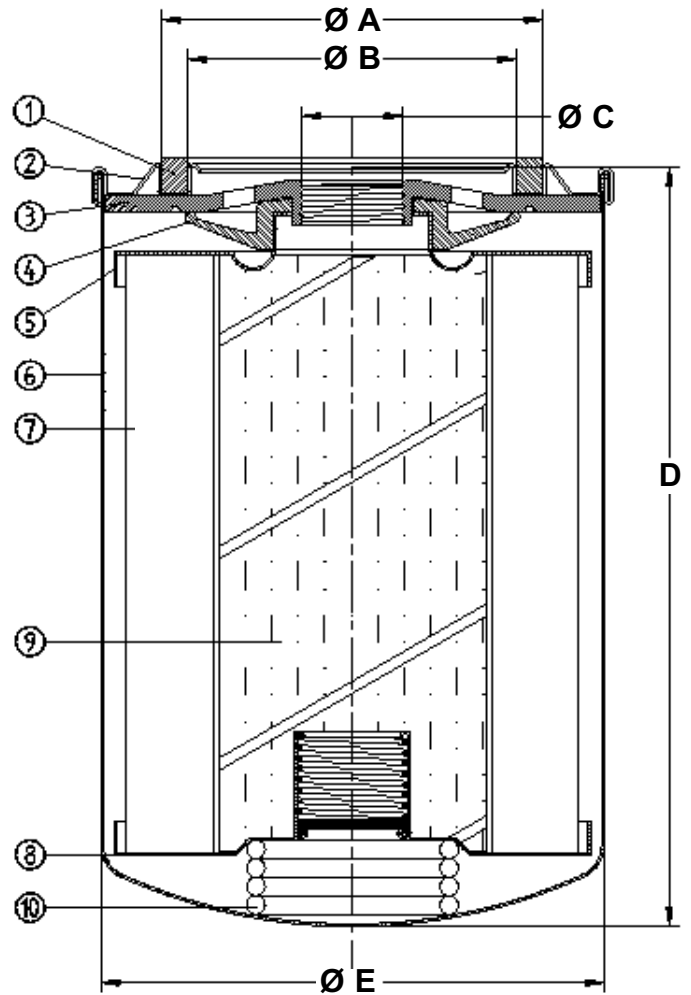
Lube Oil Filters							
Products	P565587	P565588	P565788	P565793	P565800	P565804	P567349
Application	Compressor Protection						
Media type	High efficiency cellulose						
Media Area (m ²)	0.25	0.14	0.23	0.32	0.39		0.36
Efficiency ISO 16889 (Beta2/100/200) (μ)	< 9/22/24	< 9/22/24	< 9/22/24	< 9/22/24	< 9/22/24	< 9/22/24	<12/32/35
Rated flow (l/ min)	40	25	40	40	70	180	70
Bypass setting (bar)	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Max. operating pressure (bar)	14	14	25	25	25	14	14
Burst pressure (bar)	24	24					24
Pressure fatigue (bar)	0 - 12 (150.000 cycles)	0 - 12 (150.000 cycles)	0 - 20 (150.000 cycles)	0 - 20 (150.000 cycles)	0 - 20 (150.000 cycles)	0 - 20 (150.000 cycles)	0 - 12 (280.000 cycles)
Anti drain back valve	yes	yes	no	no	no	no	yes
Gasket X-section	rectangular	rectangular	rectangular	rectangular	rectangular	rectangular	rectangular
Typical weight (kg)	0.7	0.6	0.7	0.8	0.9	1.7	0.8
Options							
Restriction Indicator	on request						
Filter Head							



Our natural fiber cellulose media contains an engineered blend of fibers that provide very effective filtration for a wide variety of petroleum-base fluids.

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Pos.	Piece	Description
1	1	Gasket, Face
2	1	Gasket Retainer
3	1	Tapping Plate
4	1	Anti-Drain back valve
5	1	Upper Cover
6	1	Can
7	1	Media Pack
8	1	Lower Cover Assembly
9	1	Internal Tube
10	1	Compensation Spring



Type	Ø A		Ø B		Ø C	D		Ø E	
	mm	inch	mm	inch	thread	mm	inch	mm	inch
P565587	72	2.83	62	2.44	3/4" 16 UNF	144	5.67	95	3.7
P565588	72	2.83	62	2.44	3/4" 16 UNF	95	3.74	95	3.7
P565788	71	2.80	62	2.44	3/4" 16 UNF	144	5.67	95	3.7
P565793	71	2.80	61	2.40	1" 12 UNF	178	7.00	95	3.7
P565800	71	2.80	61	2.40	1" 12 UNF	209	8.23	95	3.7
P565804	109	4.29	100	3.94	1 1/2" 16 UNF	308	12.13	135	5.31
P567349	72	2.83	62	2.44	1" 12 UNF	200	7.87	93	3.66