

Inline Filter LF

up to 700L/min

up to 100bar



Inline Filter

LF

-Oil Flow up to 700L/min

-Pressure up to 100bar



1. TECHNICAL SPECIFICATIONS

1.1 FILTER HOUSING

Construction

They consist of a filter head and a screw-in filter bowl.

Standard equipment:

- connection for a clogging indicator in filter head
- mounting holes in the filter head
- drain screw with pressure relief (LF 330 and above)

1.2 FILTER ELEMENTS

Filter elements are available with the following pressure stability values:

Glass Fiber (ON):	20 bar
Glass Fiber (BH4HC):	210 bar
Wire mesh (W):	20 bar
Stainless steel fibre (V):	210 bar

1.4 SEALS

NBR (=Perbunan)

1.5 INSTALLATION

Inline filter with or without reversible oil flow

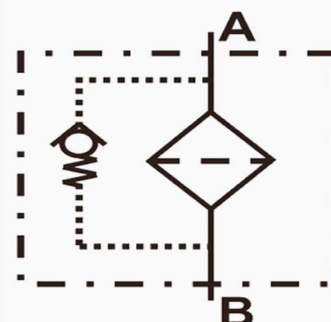
1.6 SPECIAL MODELS AND ACCESSORIES

- Bypass valve built into the head, separate from the main flow
- Oil drain screw up to LF 240

1.3 FILTER SPECIFICATIONS

Nominal pressure	100 bar
Fatigue strength	At nominal pressure 10^6 cycles from 0 to nominal pressure (For other pressures, see Point 1.8)
Temperature range	-30 °C to +100 °C
Material of filter head	Aluminium
Material of filter bowl	Aluminium
Type of clogging indicator	VM (differential pressure measurement up to 210 bar operating pressure)
Pressure setting of the clogging indicator	5 bar (others on request)
Bypass cracking pressure (optional)	6 bar (others on request)

Symbol for hydraulic systems



2. MODEL CODE (also order example)**LF ON 60 I C 10 D 1 . X /-L24****2.1 COMPLETE FILTER****Filter type**

LF

Filter material

ON

BH/HC (BH4HC)

W Stainl. st. wire mesh

V Stainless steel fibre

Size of filter or element

WKLF: 30, 60, 110, 160, 240, 330, 660

Operating pressure

I = 100 bar

Type and size of connection

Type	Port	Filter size						
		30	60	110	160	240	330	660
B	G 1/2	●						
C	G 3/4		●	●				
E	G1 1/4				●	●		
F	G1 1/2						●	●

Filtration rating in µm

ON: 1, 3, 5, 10, 15, 20

BH/HC, V: 3, 5, 10, 20

W: 25, 50, 100, 200

Type of clogging indicator

Y plastic blanking plug in indicator port

A steel blanking plug in indicator port

B visual

C electrical

D visual and electrical

for other clogging indicators,
see brochure no. 7.050../.**Type code**

1

Modification number

X the latest version is always supplied

Supplementary details

B. bypass cracking pressure (e.g. B6 = 6 bar); without details = without bypass valve

L... light with appropriate voltage (24V, 48V, 110V, 220V)

LED 2 light emitting diodes up to 24 Volt

SO184 pressure release/oil drain screw (standard for LF 330 and above)

V FPM seals

W suitable for HFA, HFC oil-water emulsions

(only necessary when using a clogging indicator or V or W elements)

only for clogging indicators
type "D"**2.2 REPLACEMENT ELEMENT****0060 D 010 ON /-V****Size**

0030, 0060, 0110, 0160, 0240, 0330, 0660

Type

D

Filtration rating in µm

ON: 001, 003, 005, 010, 015, 020

BH4HC, V: 003, 005, 010, 020

W: 025, 050, 100, 200

Filter material

ON, BH4HC, V, W

Supplementary details

V, W (for descriptions, see Point 2.1)

