

Protect the performance of your system with MYclean.

Quality and efficiency are fundamental for MP Filtri:
this exclusive new filter element possesses polygon shape geometry and specific seal that ensures only original spare parts can be used - ensuring correct operation and higher system reliability.







With exclusive filter element you are sure that only MP Filtri filter elements can be used, ensuring the best cleaning level of the oil

Safety of constant quality protection & reliability

elements can be used, ensuring the best cleaning level of the due to the use of originals filter elements.



The products identified as LFEX are protected by:

- Italian Patent n° 102014902261205
- Canadian Patent n° 2,937,258
- European Patent n° 3 124 092 B1
- US Patent n° 20170030384 A1



LFEX series

Maximum working pressure up to 1.6 MPa (16 bar) - Flow rate up to 300 l/min



INSTALLATION, SERVICE AND MAINTENANCE MANUAL AND SAFETY INSTRUCTIONS

Please scan or click the QR codes to get updated electronic version of the related document:









LFEX060 LFEX080

LFEX110

LFEX160

For all the QR codes: Scan or click me!



Description

Low & Medium Pressure filters

Maximum working pressure up to 1.6 MPa (16 bar) Flow rate up to 300 l/min

LFEX is a range of low pressure filter for protection of sensitive components in low pressure hydraulic systems.

They are also suitable for the off-line filtration of small reservoirs. They are directly connected to the lines of the system through the hydraulic fittings.

Available features:

- Female threaded connections up to 1 1/4" and SAE connections up to 1 5/8", for a maximum flow rate of 300 l/min
- Fine filtration rating, to get a good cleanliness level into the system
- Water removal elements, to remove the free water from the hydraulic fluid
- Bypass valve, to relieve excessive pressure drop across the filter media
- NEW Visual and electrical differential clogging indicators, capable to hold the overall dimension
- MYclean interface connection for the filter element, to protect the product against non-original spare parts
- External protective wrap, to optimize the flow through the element and to save the element efficiency against non-proper handling

Common applications:

Delivery lines, in any low pressure industrial equipment or mobile machines

Technical data

Filter housing materials

- Head: Aluminium
- Bypass valve: Polyamide Steel
- Bowl: Polyamide

Bypass valve

Opening pressure 350 kPa (3.5 bar) ±10%

Δp element type

- Microfibre filter elements series N: 8 bar
- Fluid flow through the filter element from OUT to IN

Seals

Standard NBR series A

Temperature

From -25 °C to +110 °C

Note

LFEX filters are provided for vertical mounting

Weights [kg] and volumes [dm3]

Filter series	Weights [kg]	Volumes [dm³]
LFEX 060	1.00	0.60
LFEX 080	1.15	0.80
LFEX 110	1.90	1.60
I FFX 160	2.10	2.00

Hydraulic symbols

Filter series	Style S	Style B
LFEX 060	•	•
LFEX 080	•	•
LFEX 110	•	•
LFEX 160	•	•
	OUT TO THE PROPERTY OF THE PRO	OUT TO THE PART OF

Flow rates [I/min]

Filter element design - N Series												
Filter series	ı	A 03	A06	A10	A16	A25	M25	M60	M90	P10	P25	
LFEX 060		49	51	75	77	80	104	105	107	74	95	
LFEX 080		67	67	86	87	92	107	108	110	96	112	
Filter series	l l	A03	A06	A10	A16	A25	M25	M60	M90	P10	P25	
LFEX 110	-	107	115	182	195	216	295	298	300	232	242	
LFEX 160	-	146	150	210	212	237	300	303	304	254	262	

Maximum flow rate for a complete delivery filter with a pressure drop $\Delta p = 0.7$ bar.

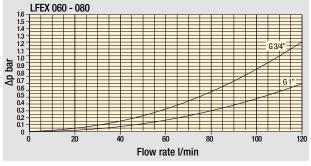
The reference fluid has a kinematic viscosity of 30 mm²/s (cSt) and a density of 0.86 kg/dm³.

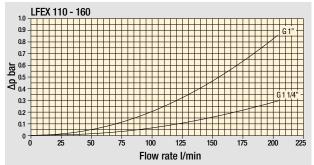
For different pressure drop or fluid viscosity we recommend to use our selection software available on www.mpfiltri.com.

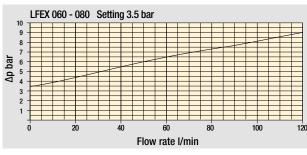
Please, contact our Sales Department for further additional information.

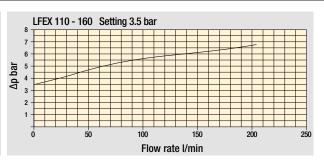
Pressure drop

Filter housings Δp pressure drop





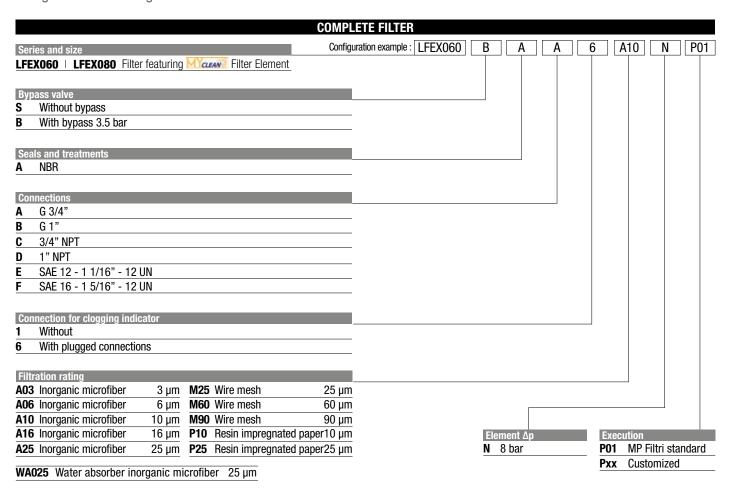


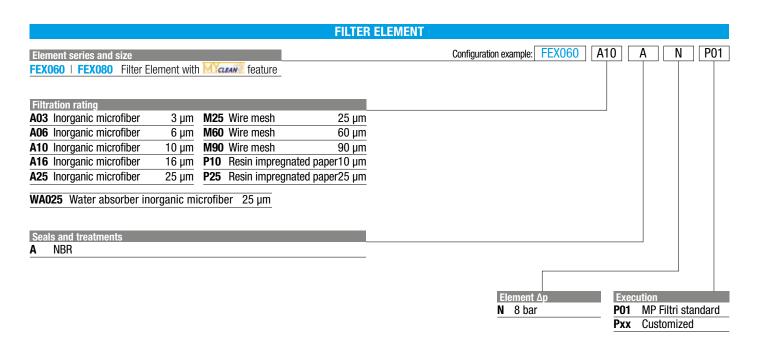


Bypass valve pressure drop

The curves are plotted using mineral oil with density of 0.86 kg/dm^3 in compliance with ISO 3968. Δp varies proportionally with density.

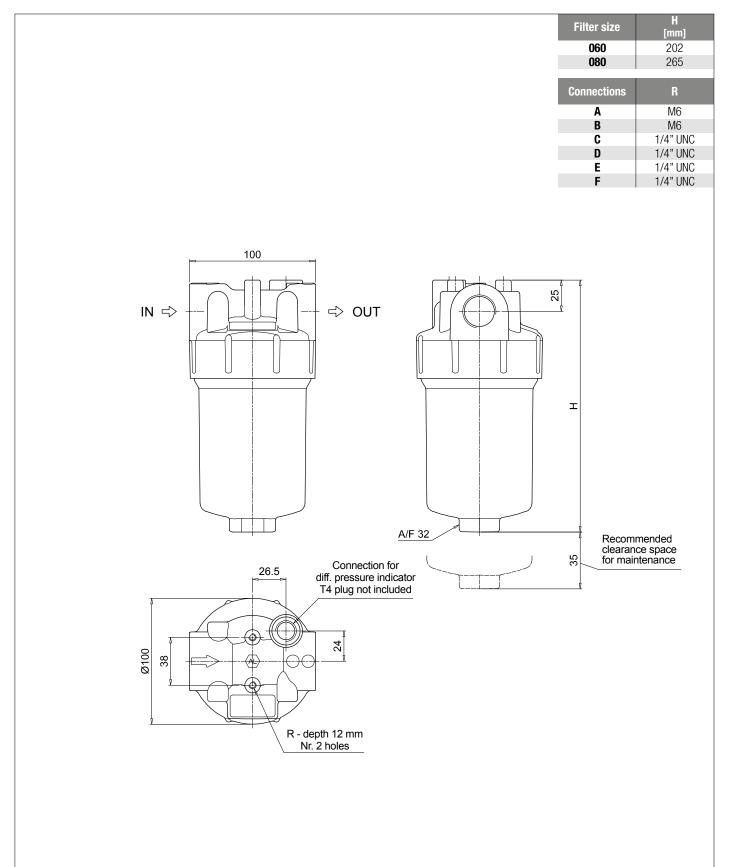
Designation & Ordering code



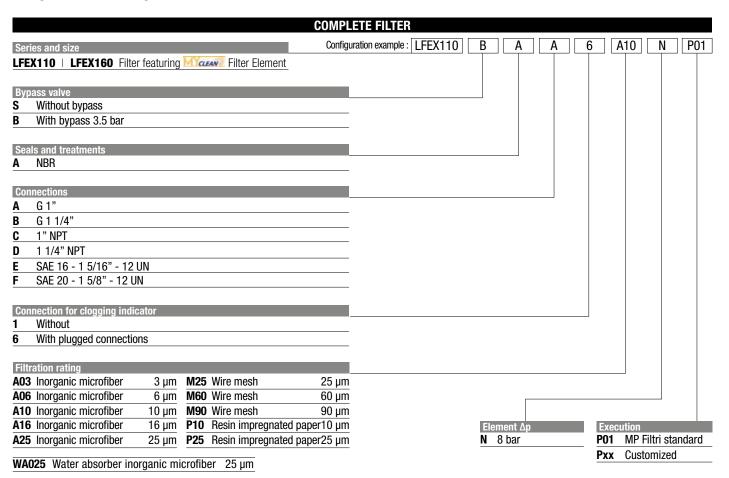


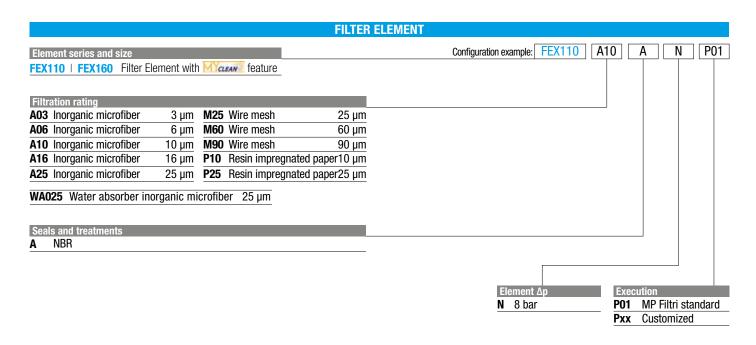
	CLOGO	GING INDICATORS	See page 726			
DES	Electrical differential pressure indicator					
DVS	Visual differential pressure indicator					
		PLUGS	See page 747			
T4	Plug	_				
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LOW &	Medium Pressure filters (326)————————————————————————————————————	MPFILTR' ————————————————————————————————————				

Dimensions



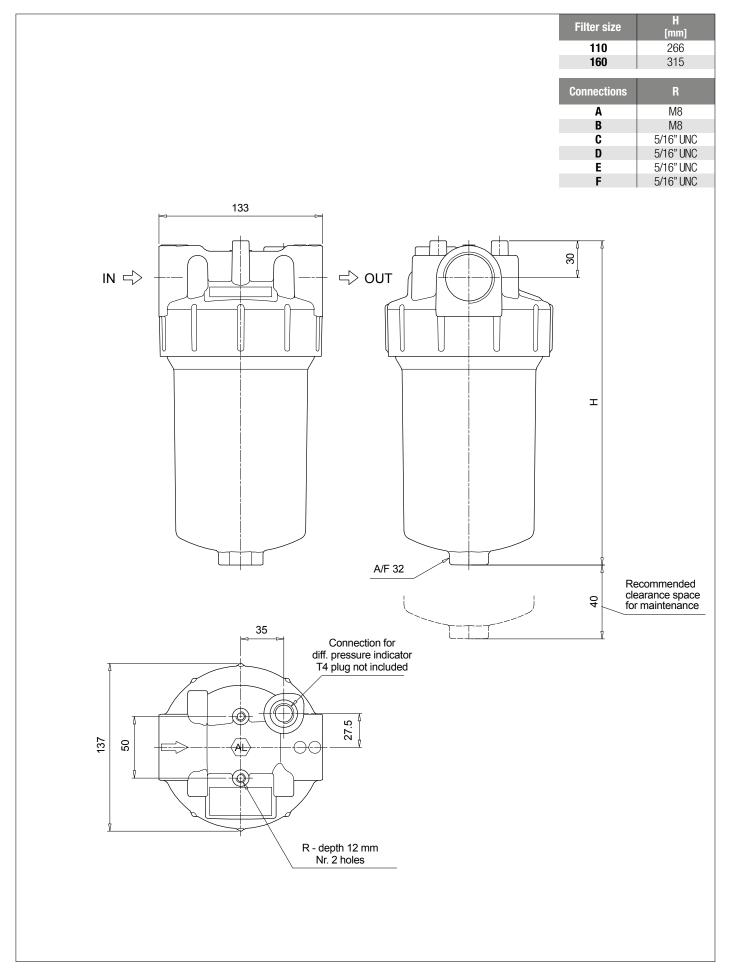
Designation & Ordering code



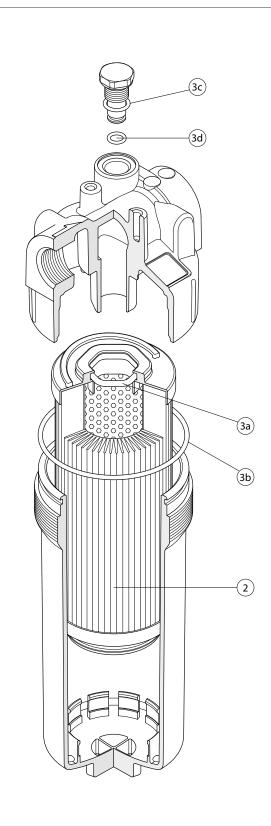


	CLOGGING INDICATORS				
	Electrical differential pressure indicator Visual differential pressure indicator				
T4	Plua	PLUGS	See page 747		

Dimensions



Order number for spare parts



Q.ty: 1 pc.		Q.ty: 1 pc.	Q.ty: 1 pc.		
Item:	2	3 (3a ÷ 3d)	4		
Filter series	Filter element	Seal Kit code number NBR	Indicator connection plug NBR		
LFEX 060-080	See order table	02050771	T4A		
LFEX 110-160 table		02050772	144		

CLOGGING INDICATORS LOW & MEDIUM PRESS, FILTERS

Designation & Ordering code

