



EFTS Series

EVOTEK Return/ Suction Filters

Product Description

- Operating pressure up to 10 bar
- 80 l/min max. flow rate
- installation in Tank-top
- application in Waste management trucks, Mobile cranes, Power packs, Wheeled loaders and Drilling equipment
- compliant with industry relevant ISO standards(see ISO test below)

Technical Specifications

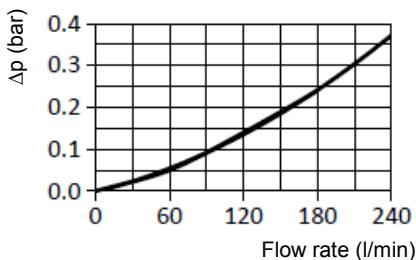
Application	Tank-top return filter
Port Sizes:	Threaded Connections according to BSP and NPT standard in 1" and SAE20
Flow Rate:	max. 80 l/min
Operating Pressure:	max. 10bar
Burst Pressure:	min. 30 bar
Element Collapse Pressure:	10 bar
By-pass Opening Pressure:	$\Delta p = 2.5 \text{ bar} \pm 10\%$
Material	
Seals:	NBR or FPM (-25°C to 100°C)
Filter Head:	Aluminium
Filter Bowl:	Aluminium
Compatibility:	Suitable for mineral oils, lubrication oils, non-flam fluids, synthetic and rapidly biodegradable oils (for use with water or other fields please contact our technical department)
Tested according to ISO standards:	<ul style="list-style-type: none">ISO2941 Collapse/burst resistanceISO2942 Fabrication integrityISO2943 Material compatibility integrityISO3723 Method for end load testISO3724 Flow fatigue characteristicsISO3968 Pressure Drop vs. Flow RateISO16889 Multi-Pass Test

EFTS Return Filter Series

Pressure Drop Graphs (Δp)

Pressure Drop of Filter Housing only

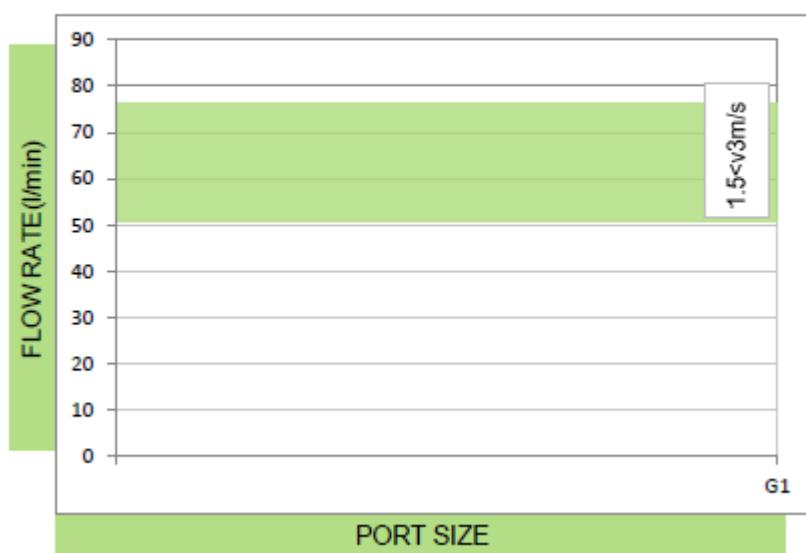
EFTS1



Graph of oil flow velocity

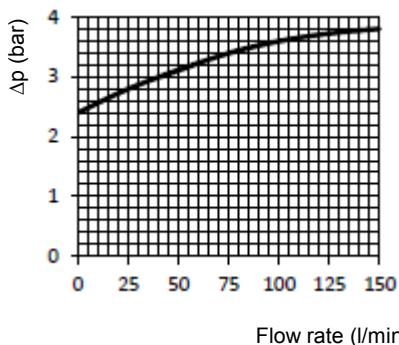
(we recommend to select size of the filter considering range of oil velocity between 1.5 to 3 m/s for return series)

Recommended range



Pressure drop graph on by-pass valve

EFTS1

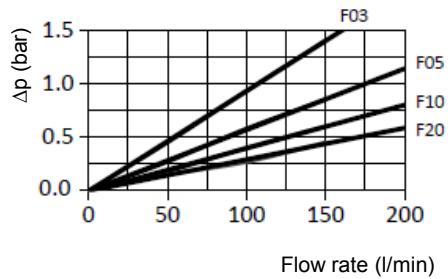


EFTS Return Filter Series

Pressure Drop Graphs (Δp)

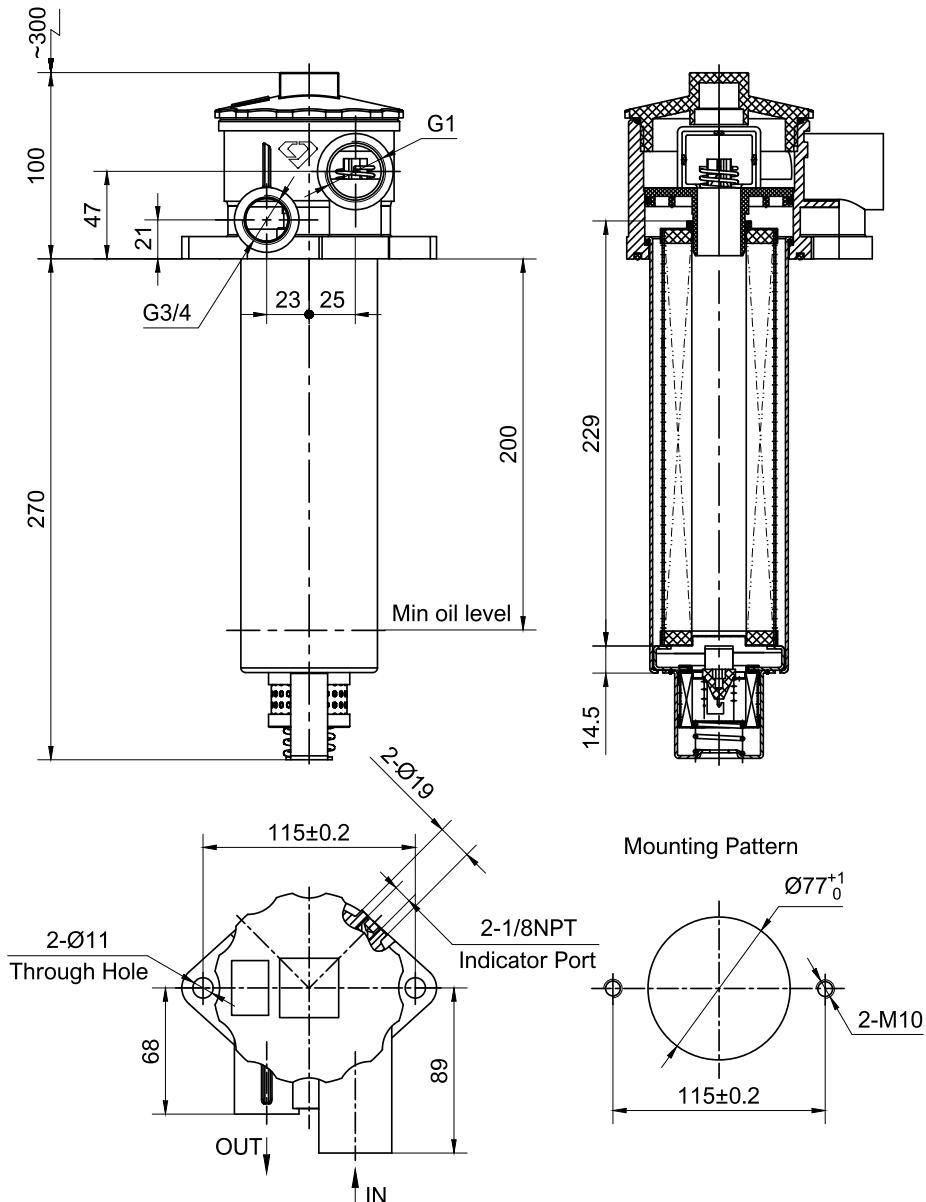
Pressure Drop with Clean Filter Elements (F filter media)

EETS1



EFTS Return Filter Series

Technical Drawings and Dimension



EFTS Return Filter Series

Order Codes

Filter Assembly Series	A	B	C	D	-	E	-	F	Element Series	A	D	E
EFTS	1	BD	07	B	-	Y10	-	R20	EETS	1	B	Y10

Select the code for each filter (or element) feature according to your requirements and place it in the sequence (see example above) to create the corresponding product order code.

A Size Flow Rate

1 80 l/min

D Seal

B NBR

V FPM

B Connection Ports

A20 SAE20

BD BSP 1 "

ND NPT 1 "

E Media Material Filtration Collapse Pressure

F10 Fiberglass 12µm 10 bar

F20 Fiberglass 21µm 10 bar

Y 10 Wire Mesh 10µm 10 bar

C By-pass Valve

07 2.5 bar

F Indicator

0 No

R20 2.0 bar Pressure Switch 1/8NPT Thread