



## EFSP Series

### EVOTEK Suction Filters

#### Product Description

- 100 l/min max. flow rate
- installation in-tank mounting
- application in the suction line of the pumps of hydraulic systems resp. upstream of the charge pumps of hydrostatic drives.
- compliant with industry relevant ISO standards(see ISO test below)

#### Technical Specifications

##### Application

Port Sizes:

Flow Rate:

Element Collapse Pressure:

By-pass Opening Pressure:

##### Material

Seals:

Filter Head:

Filter Bowl:

Cover:

Compatibility:

Tested according to ISO standards:

##### Suction Filters

Threaded Connections according to BSP and NPT standard in 1¼", SAE20,SAE DN40 3000psi

max. 100 l/min

1 bar

$\Delta p=0.3 \text{ bar} \pm 10\%$

NBR or FPM (-10°C to 100°C)

Aluminium

Zinc plated steel

Polyamide

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)

ISO2941 Collapse/burst resistance

ISO2942 Fabrication integrity

ISO2943 Material compatibility integrity

ISO3723 Method for end load test

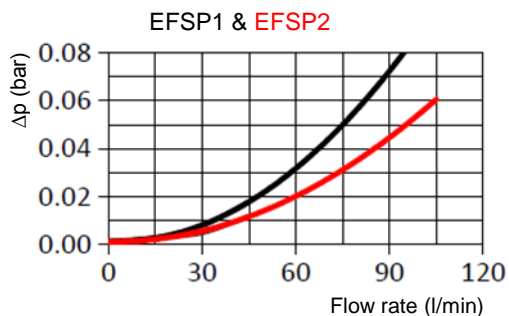
ISO3724 Flow fatigue characteristics

ISO3968 Pressure Drop vs. Flow Rate

## EFSP Suction Filters Series

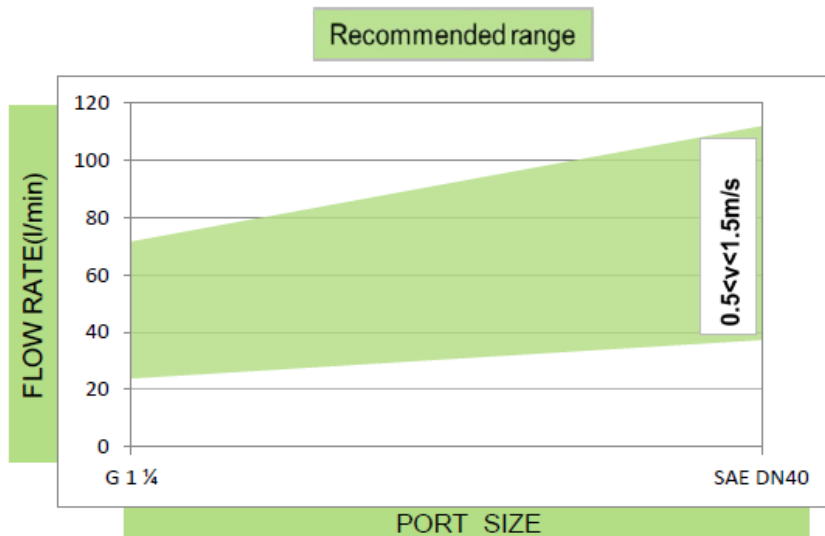
### Pressure Drop Graphs ( $\Delta p$ )

#### Pressure Drop of Filter Housing only

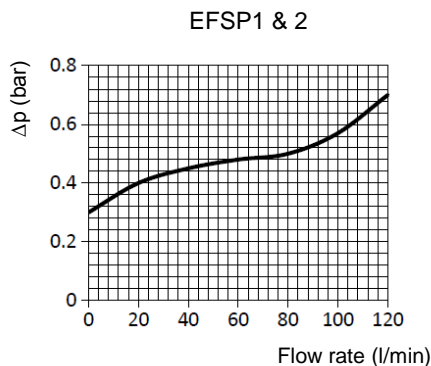


#### Graph of oil flow velocity

(we recommend to select size of the filter considering range of oil velocity between 0.5 to 1.5 m/s for pressure series)



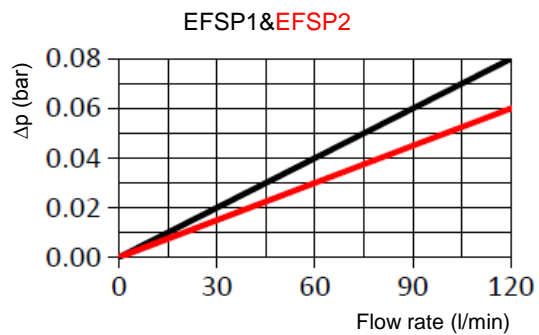
#### Pressure drop graph on by-pass valve



## EFSP Suction Filters Series

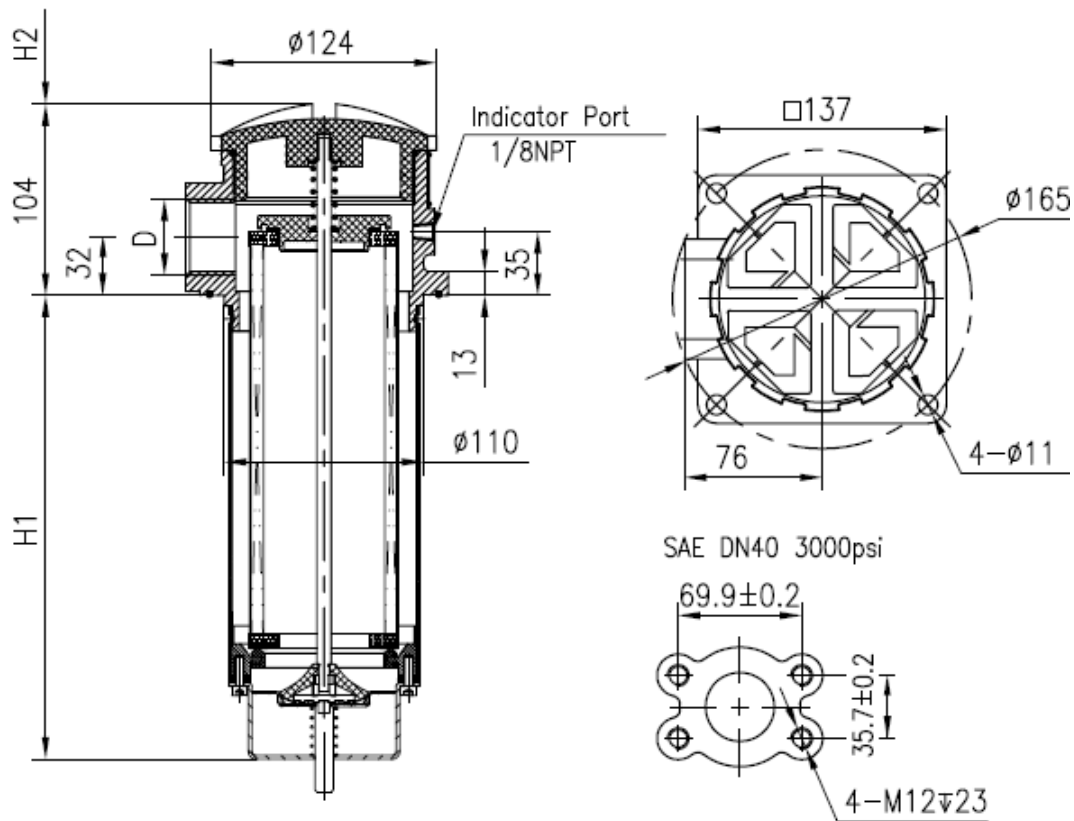
### Pressure Drop Graphs ( $\Delta p$ )

Pressure Drop with Clean Filter Elements (wire mesh filter media)



## EFSP Suction Filters Series

## Technical Drawings and Dimension



Type	Connection Port (BSP/NPT/SAE) inch	Height mm	
		H1	H2
EFSP1	D 1 1/4"	256	330
EFSP2	SAE20 SAE DN40 3000 psi	500	570

# EFSP Suction Filters Series

## Order Codes

Filter Assembly	A	B	C	-	D	-	E	Element Series	A	D
EFSP	1	BE	B	-	W60	-	VA	EESP	1	W60

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	70 l/min
2	100 l/min

### B Connection Ports

A20	SAE20
BE	BSP 1¼"
NE	NPT 1¼"
FE	SAE DN40 3000 psi

### C Seal

B	NBR
V	FPM

### D Media Material      Filtration      Collapse Pressure

W25	Wire Mesh	25µm	1 bar
W60	Wire Mesh	60µm	1 bar
W90	Wire Mesh	90µm	1 bar

### E Indicator

00	No	Connection
VA	-1~0 bar Axial vacuum gauge	1/8" NPT Thread
VR	-1~0 bar Radial vacuum gauge	1/8" NPT Thread
S02	-0.2 bar Vacuum switch	1/8" NPT Thread

## This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.