



## EFSR Series

### EVOTEK Suction Filters

#### Product Description

- 600 l/min max. flow rate
- installation in suction line
- application in Mobile Equipment, Hydrostatic Drives, Power Units and agricultural machines
- compliant with industry relevant ISO standards (see ISO test below)

#### Technical Specifications

Application

Suction Filters

Port Sizes:

Threaded Connections according to  
SAE DN65 / SAE DN80 / DN100 3000psi

Flow Rate:

max. 600 l/min

Element Collapse Pressure:

1 bar

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:

ISO2941 Collapse/burst resistance

ISO2942 Fabrication integrity

ISO2943 Material compatibility integrity

ISO3723 Method for end load test

ISO3724 Flow fatigue characteristics

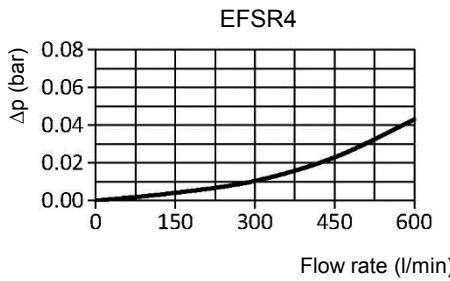
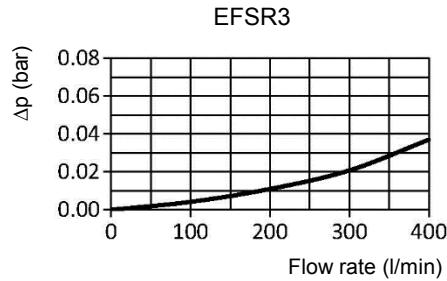
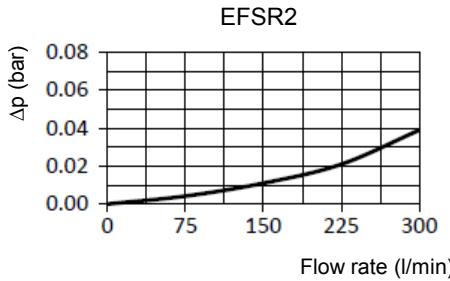
ISO3968 Pressure Drop vs. Flow Rate

ISO16889 Multi-Pass Test

## EFSR Suction Filter 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)

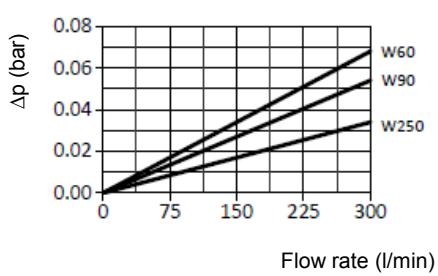


## EFSR Suction Filter

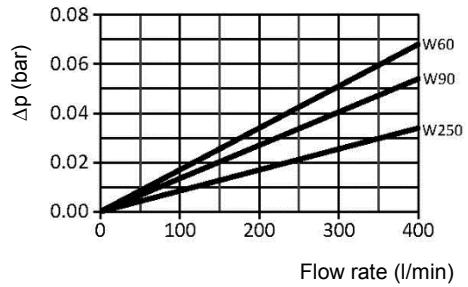
### Pressure Drop Graphs ( $\Delta p$ )

Pressure Drop with Clean Filter Elements (W filter media)

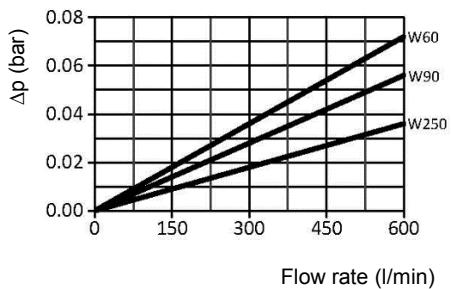
EESR2



EESR3



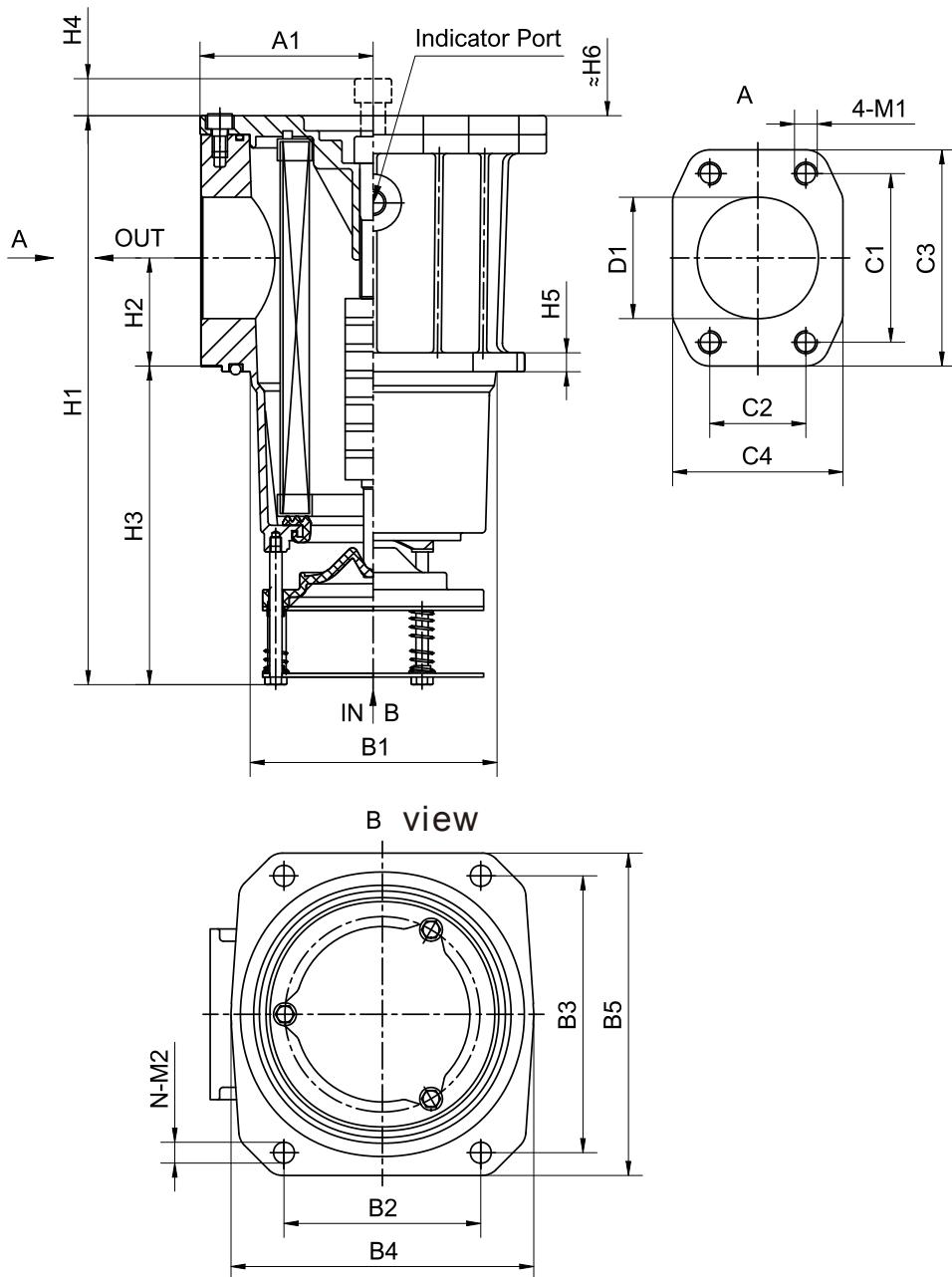
EESR4



## EFSR Suction Filter Series

### Technical Drawings and Dimension

EFSR2



### Threaded Connection Ports

Connection Port  
(SAE)  
inch

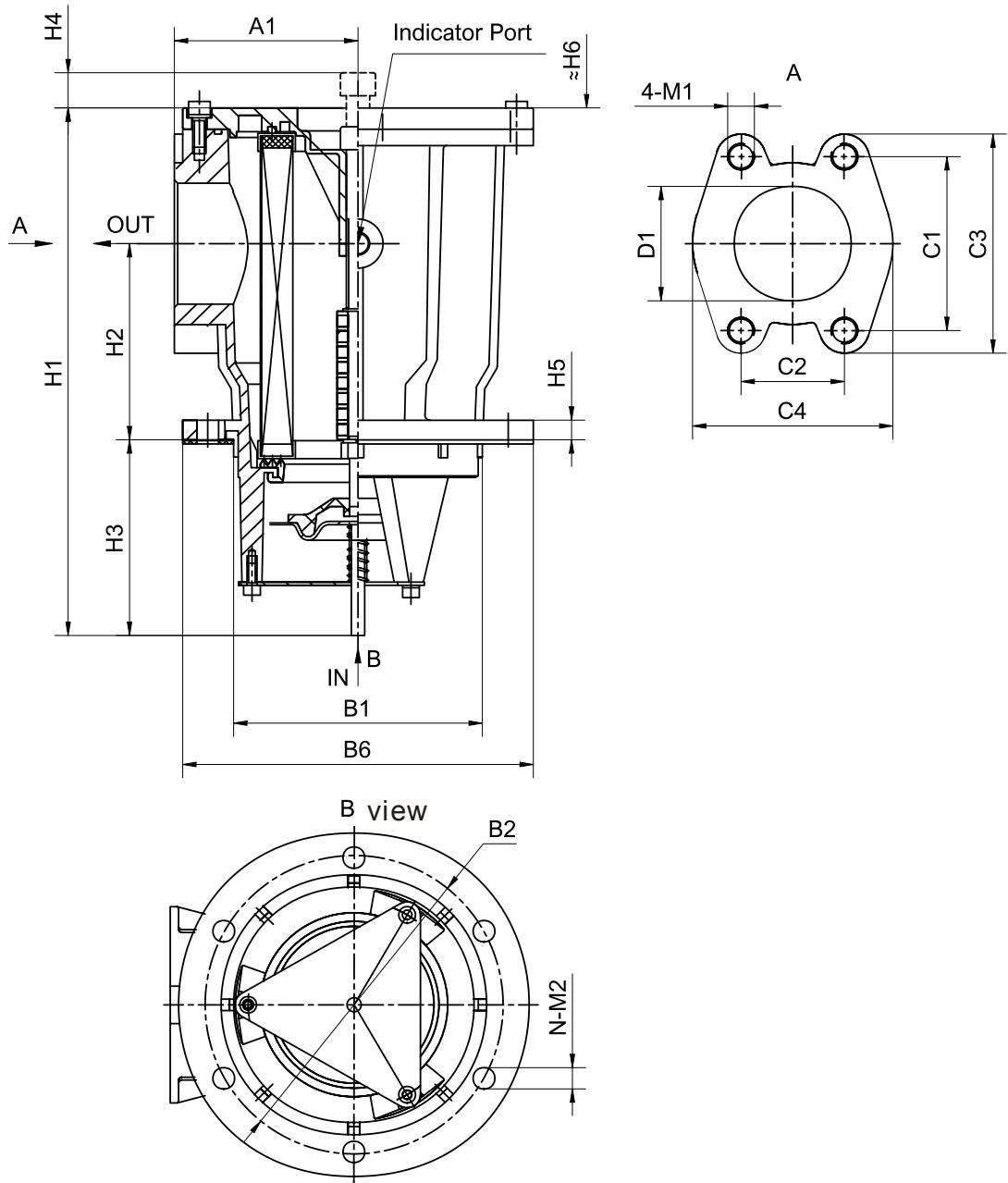
Height  
mm

Type	D1	A1	B1	B2	B3	B4	B5	C1	C2	C3	C4	H1	H2	H3	H4	H5	M1	M2	N	
EFSR2	SAE DN 65 3000psi	91	130	104	146	160	170	88.9	50.8	114	90	300	60	165	10	10	300	M12	11	4

## EFSR Suction Filter Series

### Technical Drawings and Dimension

EFSR3&EFSR4



### Threaded Connection Ports

Connection Port  
(SAE)  
inch

Height  
mm

Type	D1	A1	B1	B2	B6	C1	C2	C3	C4	H1	H2	H3	H4	H5	H6	M1	M2	N
EFSR3	SAE DN 80 3000psi	110	149	180	210	106.4	61.9	120	134	320	122	120	15	13	300	M16	13	6
EFSR4	SAE DN 100 3000psi	120	180	210	242	130.2	77.8	146	162	320	122	120	15	13	300	M16	13	6

## EFSR Suction Filter Series

### Order Codes

Filter Assembly Series	A	B	C	-	D	-	E
EFSR	4	FL	B	-	W90	-	VA
Element Series	A	D					
EESR	4	W90					

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
2	300 l/min
3	400 l/min
4	600 l/min

B Connection Ports
FG SAE DN65(3000psi )
FH SAE DN80(3000psi )
FL SAE DN100(3000psi )

C Seal		
B NBR		
V FPM		
D Media Material	Filtration	Collapse Pressure
W60 Wire Mesh	60µm	1bar
W90 Wire Mesh	90µm	1 bar
W125 Wire Mesh	125µm	1 bar
E Indicator	Connection	
00 No		
VA -1~0bar vacuum gauge		1/8NPT Thread
S02 -0.2bar vacuum switch		1/8NPT Thread