



EEST Series

EVOTEK Suction Strainers

Product Description

- 500 l/min max. flow rate
- installation in-tank mounting
- application in reservoir equipment
- compliant with industry relevant ISO standards(see ISO test below)

Technical Specifications

Application	Suction Strainers
Port Sizes:	Threaded Connections according to BSP and NPT standard in ½"to 3"
Flow Rate:	max. 500 l/min
Element Collapse Pressure:	1 bar
By-pass Opening Pressure:	$\Delta p=0.3 \text{ bar} \pm 10\%$
Material	
Connector :	Aluminium
End caps & core :	Zinc plated steel
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:	ISO2942 Fabrication integrity ISO2943 Material compatibility integrity ISO3723 Method for end load test ISO3968 Pressure Drop vs. Flow Rate

EEST Suction Strainers Series

Pressure Drop Graphs (Δp)

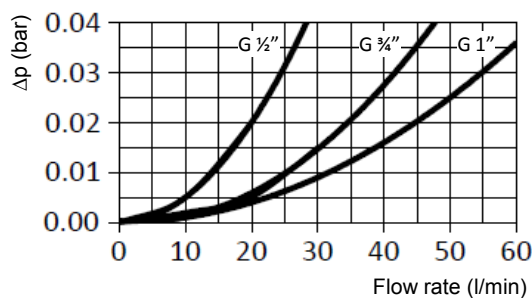
Graph of oil flow velocity

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

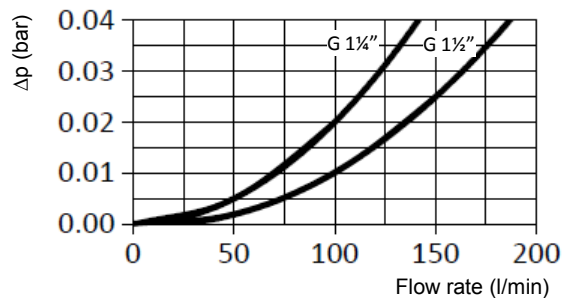


Pressure Drop with Clean Filter Elements (wire mesh filter media)

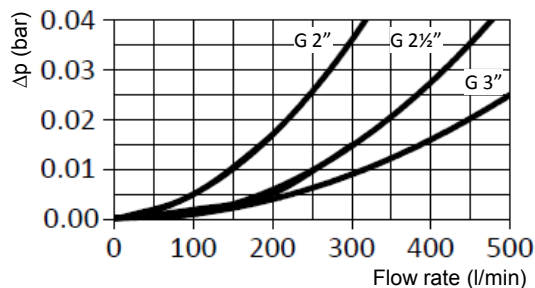
EEST3, 4, 6, 7 & 8



EEST9, 10, 11, 12, 13 & 14

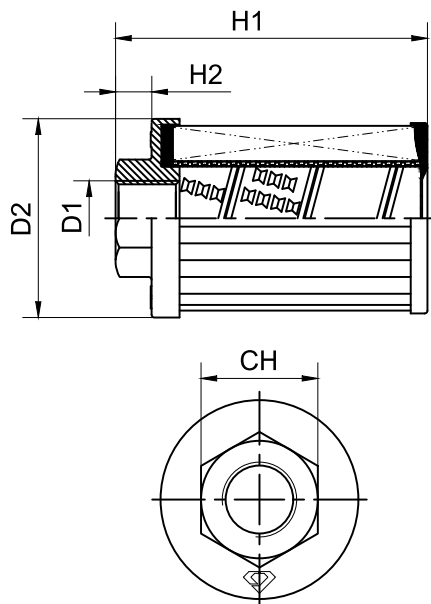


EEST15, 16, 17, 18 & 19



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Technical Drawings and Dimension



Threaded Connection Ports

Type	Connection Port (BSP/NPT)		Height			Filtration area
	inch	mm	mm	mm	mm	
EEST3	½"	71	100	13	42	0.05 m ²
EEST4	¾"	71	100	13	42	0.05 m ²
EEST5	¾"	71	145	13	42	0.08 m ²
EEST6	1"	71	145	13	42	0.08 m ²
EEST7	1"	96	100	13	60	0.06 m ²
EEST8	1"	96	135	13	60	0.085 m ²
EEST9	1¼"	96	135	13	60	0.085 m ²
EEST10	1¼"	96	220	13	60	0.15 m ²
EEST11	1½"	96	220	13	60	0.15 m ²
EEST12	1¼"	140	135	13	75	0.145 m ²
EEST13	1½"	140	115	13	75	0.12 m ²
EEST14	1½"	140	155	13	75	0.17 m ²
EEST15	2"	140	155	13	75	0.17 m ²
EEST16	2"	140	215	13	75	0.25 m ²
EEST17	2"	140	265	13	75	0.3 m ²
EEST18	2½"	140	277	25	101	0.3 m ²
EEST19	3"	140	325	25	101	0.33 m ²

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Order Codes

Element Series	A	B	C
EEST	5	00	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

3	20 l/min
4	25 l/min
5	35 l/min
6	40 l/min
7	50 l/min
8	60 l/min
9	80 l/min
10	100 l/min
11	150 l/min
12	110 l/min
13	150 l/min
14	180 l/min
15	200 l/min
16	230 l/min
17	250 l/min
18	330 l/min
19	500 l/min

B By-pass Valve

00	No
02	0.3 bar
X	special

C Media Material Filtration Collapse Pressure

W60	Wire Mesh	60µm	1 bar
W90	Wire Mesh	90µm	1 bar
W250	Wire Mesh	250µm	1 bar