EHGM Series

DESCRIPTION

High pressure filter

Connection type and size:

BSPThreaded connection: G1¼" G1½" G2"

SAE Flange connection: 1" 1½" 2"

Maximum flow rate up to 600 l/min

TECHNICAL PARAMETER

Maximum working pressure: 420 bar

Bypass valve opening pressure: 4.5 bar

Transmitter opening pressure: 3.5 bar

Temperature range: -29℃ to +120℃

MATERIALS

Head: Cast iron

Filter bowl: Carbon steel

Seals: NBR nitrile rubber (standard)

Or FKM fluororubber (customizable)

Filter element material: Fiberglass

MEDIA COMPATIBILITY

Suitable for mineral oil, lubricating oil, fire-resistant oil, and rapidly biodegradable media.
(If used for water-based or special media, please consult our sales department.)

Ordering Options Table

EHGM 319 G24 13 12 N B B

Filter type

Filter specification

Connection type and size

Type	Connection	Filter size			
		08	13	20	40
C20	BSP 1 ¼"	●	●	●	●
G20	SAE 1 ¼"	●	●	●	●
C24	BSP 1 ½"	●	●	●	●
G24	SAE 1 ½"	●	●	●	●
C32	BSP 2"	●	●	●	●
G32	SAE 2"	●	●	●	●

G is an SAE split flange with metric fixing bolts, and the standard pressure is 420 Bar

Filter element length

08" 13" 20" 40"

Filter fineness(μm)

3 5 7 12 25

Seals

N: NBR V: FKM

Bypass valve opening pressure

B = 4.5 bar
N = Wihtout bypass valve

Differential pressure transmitter

A: Steel blanking plug in indicator port
E: Visual (Manual reset)
R: Electrical indicator
RL: Visual and electrical indicators
M: Electrical indicator
ML:Visual and electrical indicators.

Filter Element

EYGM 319 13 12 N

Filter element type

Filter element specification

Filter element length

08" 13" 20" 40"

Filtration fineness(μm)

3 5 7 12 25

Seals

N: NBR V: FKM

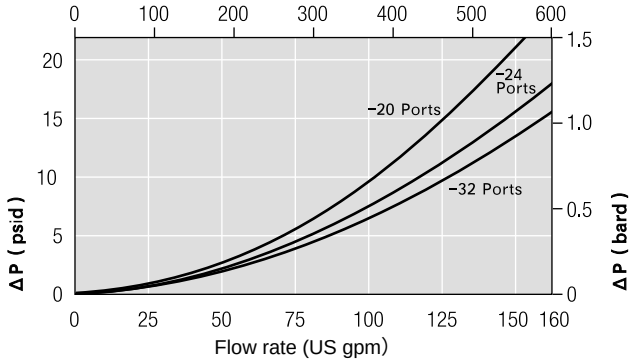
Maintenance Instructions

Filter housing must be grounded
When using electric plugging, please replace the filter element.
The system must be turned off before removing the clogging indicator light and power connector.

Differential pressure information

Differential pressure of filter housing with a fluid specific gravity of 0.9.

Housing pressure drop is directly proportional to specific gravity.



Filter element pressure difference

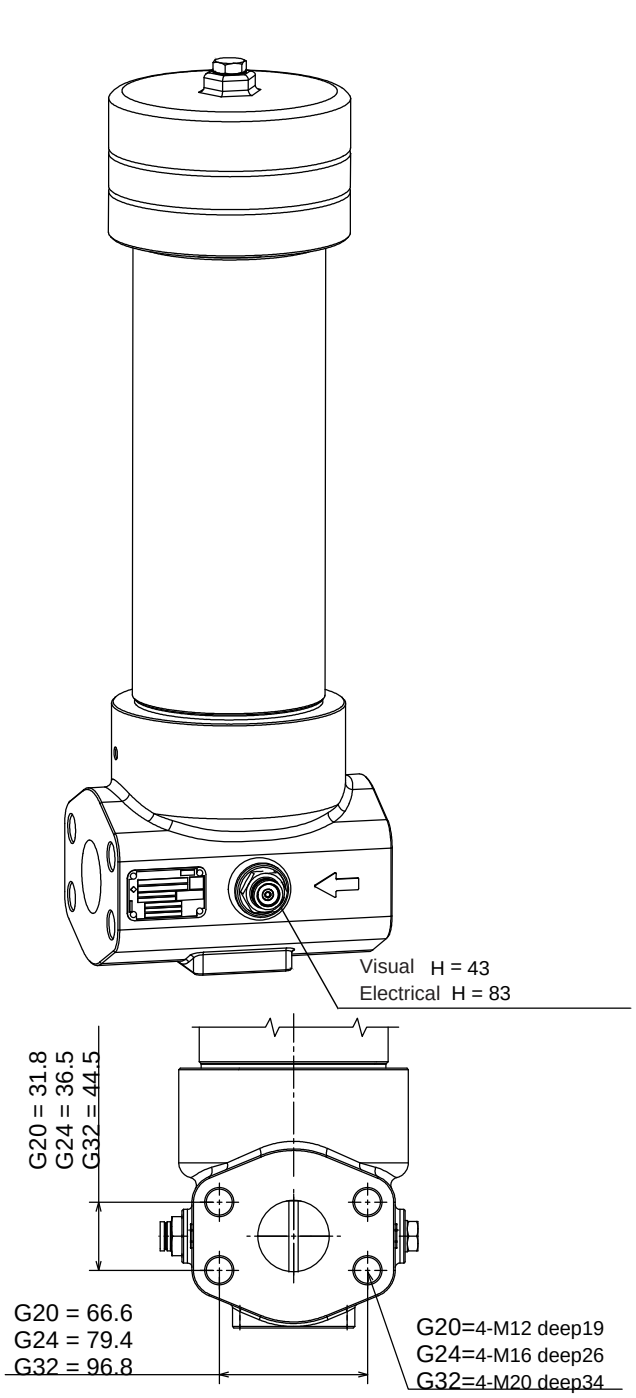
The actual flow rate is multiplied by the coefficient to obtain a filtration viscosity of 32 cSt (150 SUS). The specific gravity is 0.9. The pressure difference of the filter element when the fluid is flowing.

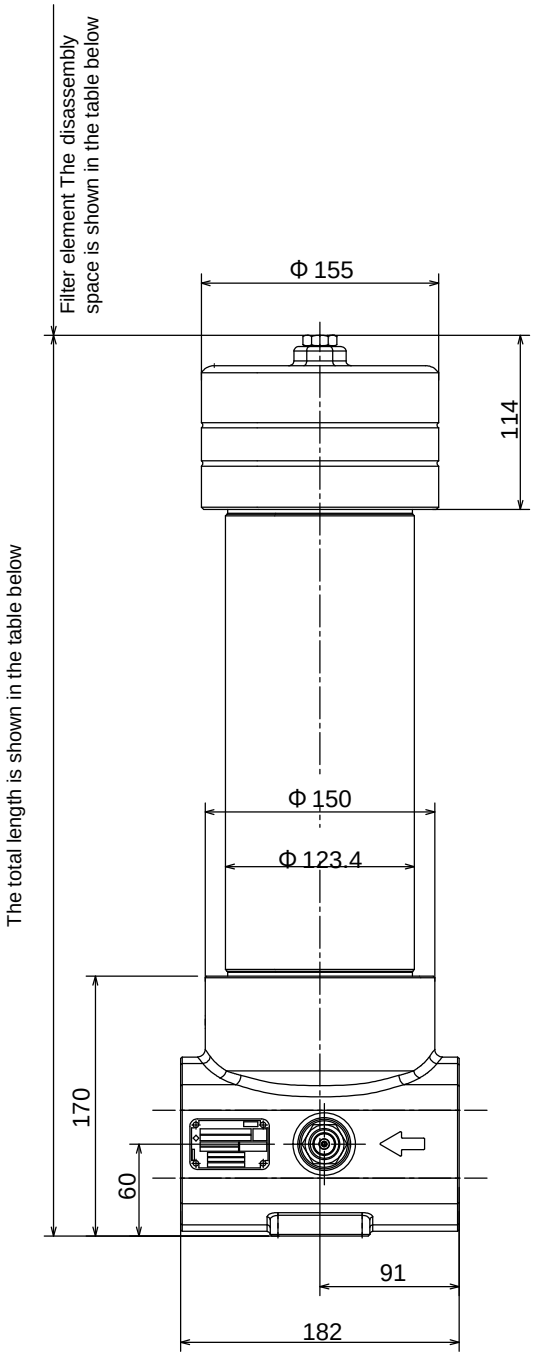
Note: The flow rate of the coefficient values in the table is 1000 l/min or 1 US gpm.

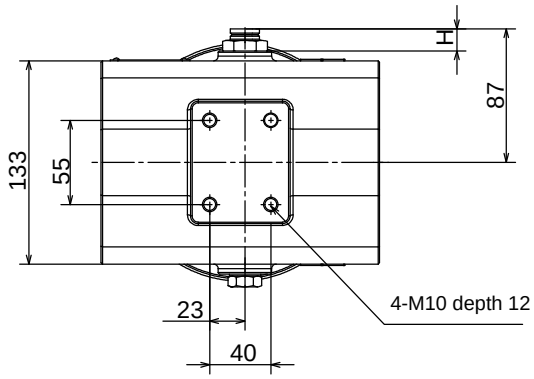
319 Series Filter Elements —bar/1000 l/min (psid/US gpm)

Length Code	3	5	7	12	22
08	5.52	2.30	1.82	1.32	0.82
13	3.31	1.38	1.09	0.79	0.49
20	2.18	0.91	0.72	0.52	0.33
40	1.10	0.46	0.36	0.26	0.16

DIMENSIONS







Dimensional unit: mm

Length Code	Total length	Filter element disassembly space	KG Net weight
08	454	205	38.6
13	589	340	43.6
20	759	510	49.9
40	1267	1020	68.7