

EHGL Series

● DESCRIPTION

High pressure filter

Connection type and size:

BSP Threaded connection: G1¼" G1½" G2"

SAE Flange connection: 1¼" 1½" 2"

Maximum flow rate up to 600 l/min

● TECHNICAL PARAMETER

Maximum working pressure: 414 bar

Bypass valve opening pressure: 4.5 bar

Transmitter opening pressure: 3.5 bar

Temperature range: -29°C to +120°C

● 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

EHGL 310 G32 20 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"

Filtration fineness(μm)

3 5 7 12 25

Seals

N: NBR V: FKM

Bypass valve opening pressure

G = 4.5 bar

N = Without bypass valve

Differential pressure transmitter

A: Steel blanking plug in indicator port

EB: Visual (Automatic reset)

E: Visual (Manual reset)

R: Electrical indicator

RL: Visual and electrical indicators

M: Electrical indicator

ML: Visual and electrical indicators

Filter Element

	EYGL	310	20	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

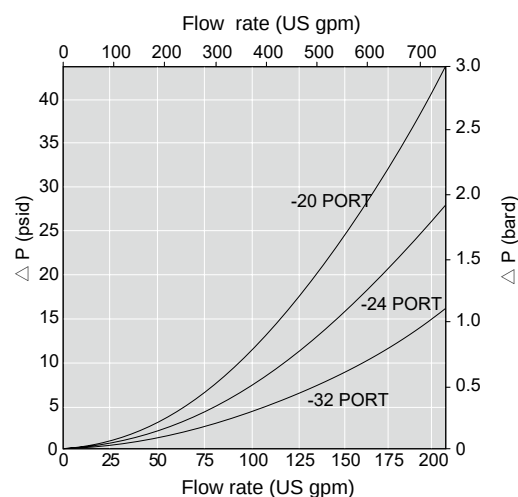
When using electric plugging, please replace the filter element.

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

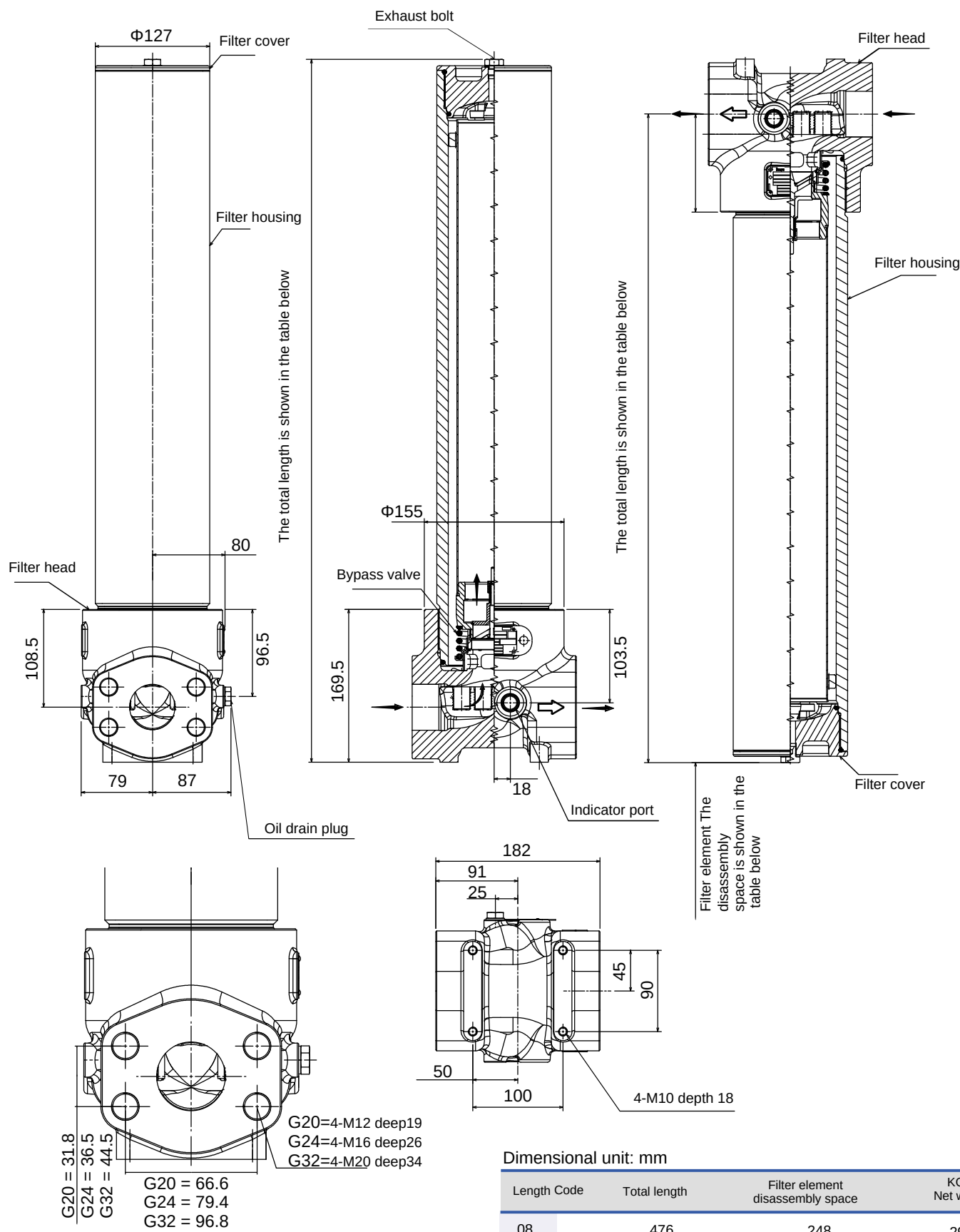
The actual flow rate is multiplied by the coefficient to obtain a filtration viscosity of 32 cSt (150 SUS). The specific gravity is 0.9. The pressure difference of the filter element when the fluid is flowing.

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

310 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	476	248	29.7
13	612	383	34.5
20	782	553	40.6
40	1290	1061	58.8