

## EHGS Series

### ● DESCRIPTION

#### High pressure filter

Connection type and size:

SAE Flange connection: 1¼" 1½"

Maximum flow rate up to 600 l/min

### ● TECHNICAL PARAMETER

Maximum working pressure: 450 bar

Bypass valve opening pressure: 3.4 bar

Transmitter opening pressure: 2.4 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

EHGS 4710 G24 16 12 N B B

Filter type

Filter specification

Type	Collapse pressure difference
4710	20 bar (Standard)
4711	210 bar (High pressure difference)
4714	10 bar (No "core" shaft filter element)

Connection type and size

Type	Connection	Filter size	
		13	16
C20	BSP 1 ¼"	●	●
G20	SAE 1 ¼"	●	●
C24	BSP 1 ½"	●	●
G24	SAE 1 ½"	●	●

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

Filter element length

13" 16"

Filter fineness(µm)

3 5 7 12 25

Seals

N: NBR V: FKM

Bypass valve opening pressure

B = 3.4 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

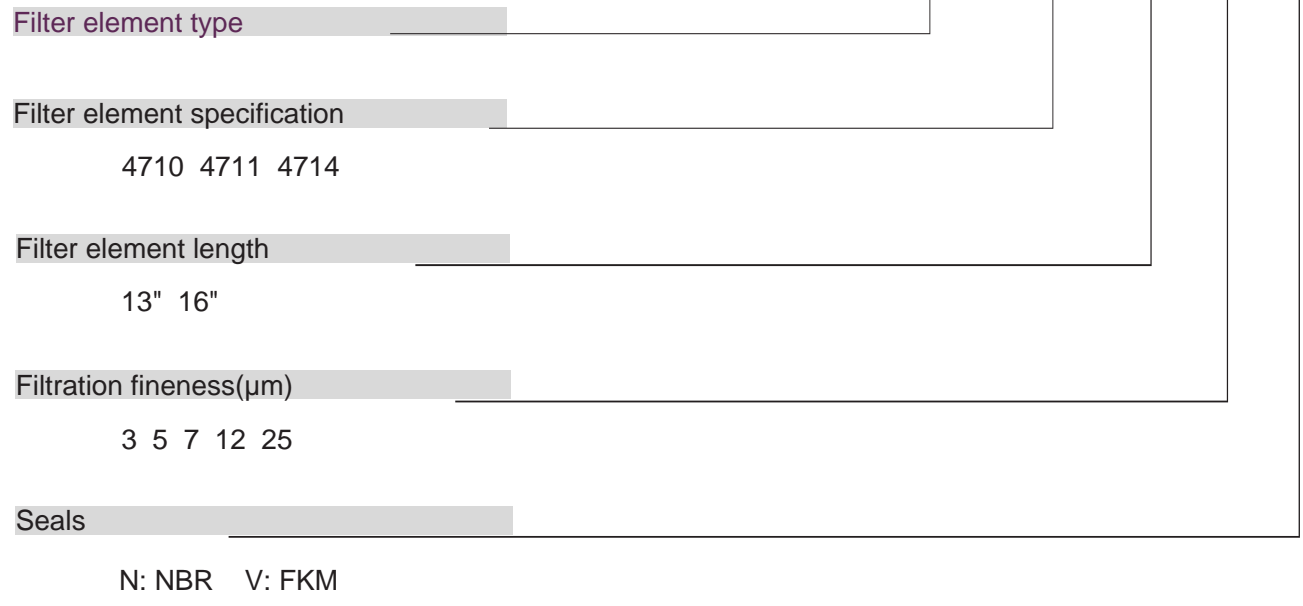
M: Electrical indicator

ML: Visual and electrical indicators



# Filter Element

EYGS 4710 13 12 N



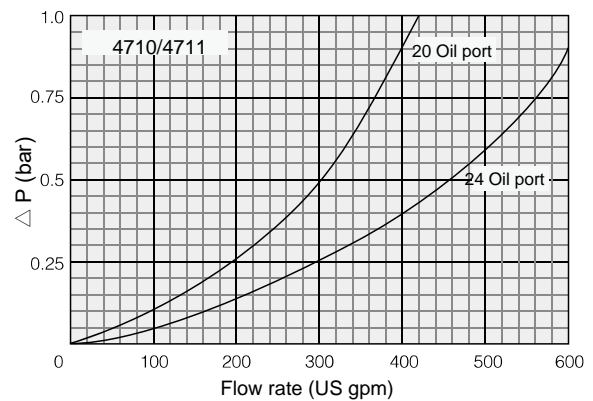
Huayu E

## 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

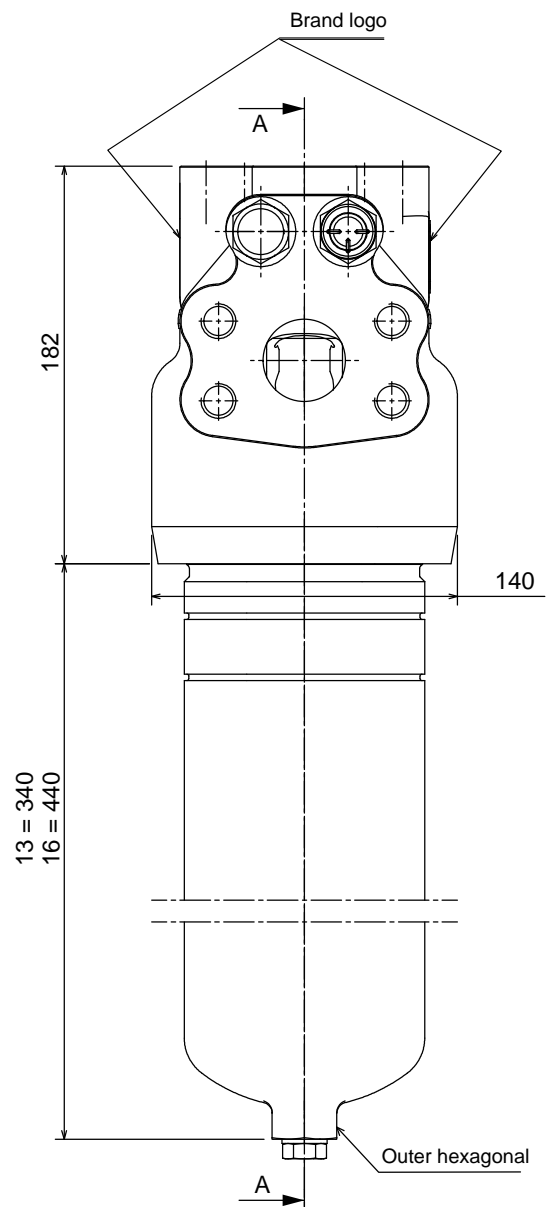
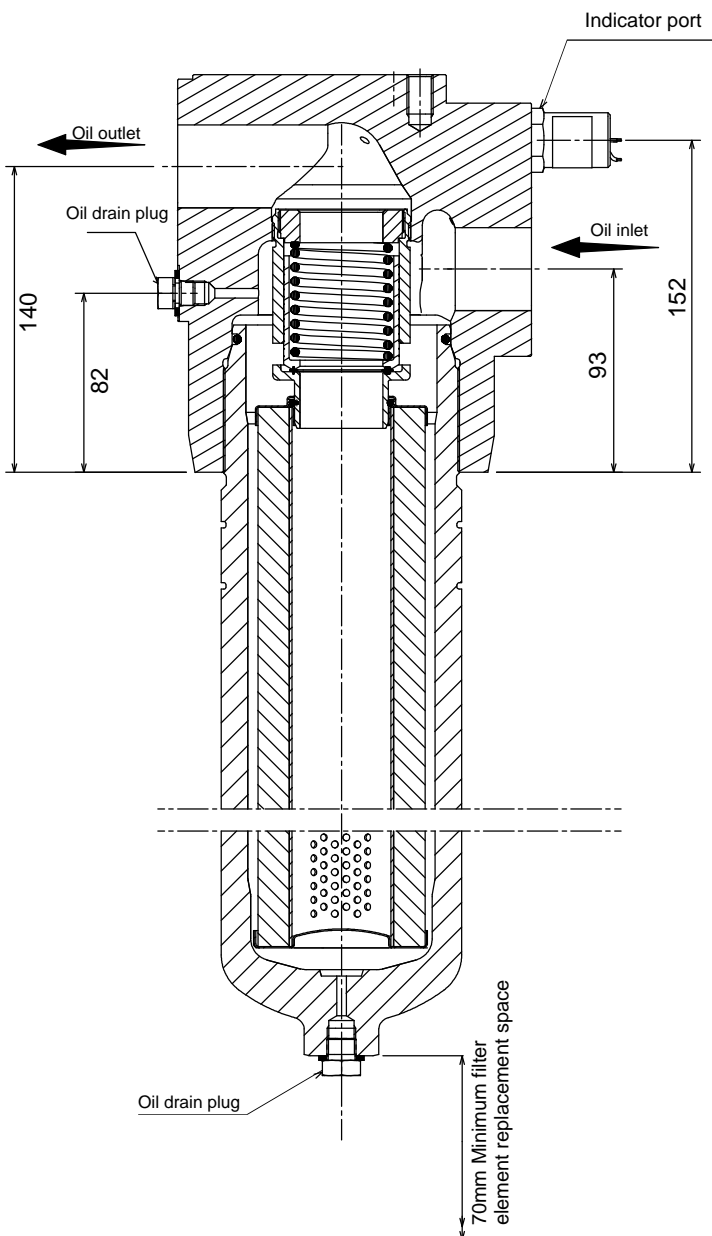
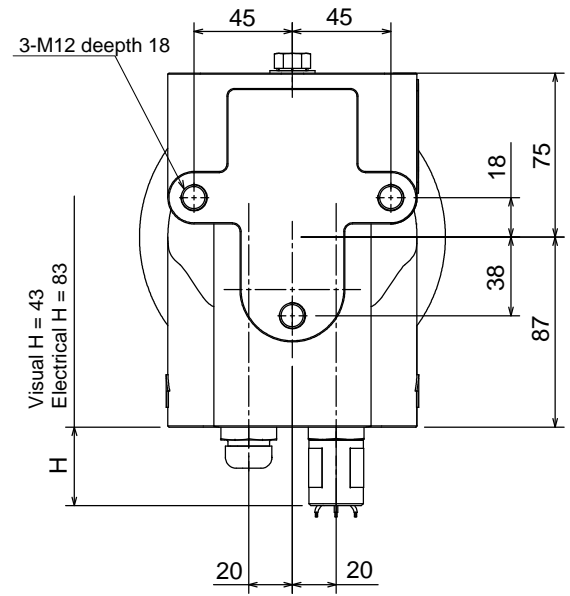
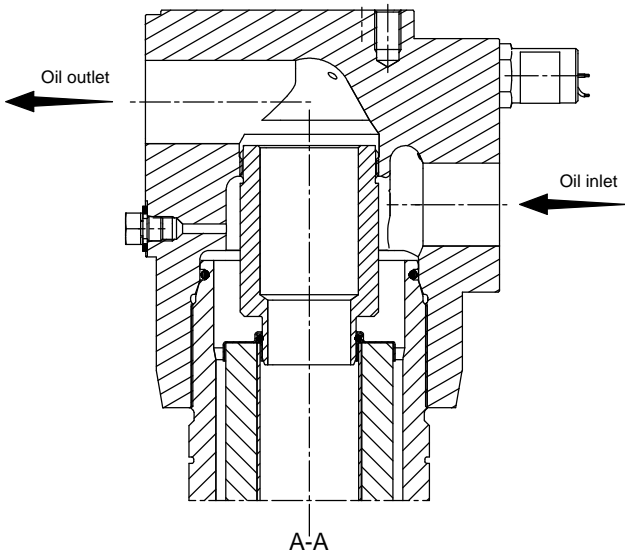
The actual flow rate is multiplied by the coefficient to obtain a filtration viscosity of 32 cSt (150 SUS). The specific gravity is 0.9. The pressure difference of the filter element when the fluid is flowing.

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

4710-4711 Series Filter Elements —bar/1000 l/min (psid/US gpm)

Length	3	5	7	12	22
13	3.74	1.93	1.41	1.03	0.73
16	2.84	1.46	1.07	0.78	0.55

## DIMENSIONS





4710/4711

4714

