



## EHZJ Series

### ● DESCRIPTION

#### Return filter

Connection type and size:

BSP Threaded connection: G1½" G2" G2½"

SAE Flange connection: 1½" 2" 2½"

Maximum flow rate up to 760 l/min

### ● TECHNICAL PARAMETER

Maximum working pressure: 41 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)

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

EHZJ 319 F24 13 12 N B B

Filter type

Filter specification

Connection type and size

Type	Connection	Filter size			
		08	13	20	40
C24	BSP 1 1/2"	●	●	●	●
F24	SAE 1 1/2"	●	●	●	●
C32	BSP 2"	●	●	●	●
F32	SAE 2"	●	●	●	●
C40	BSP 2 1/2"	●	●	●	●
F40	SAE 2 1/2"	●	●	●	●

ISO 6162 Flange

Filter element length

08" 13" 20" 40"

Filter fineness(μm)

3 5 7 12 22

Seals

N: NBR V: FKM

Bypass valve opening pressure

G = 4.5bar

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

EYZJ 319 13 12 N

Filter element type

Filter element specification

Filter element length

08" 13" 20" 40"

Filtration fineness(μm)

3 5 7 12 22

Seals

N: NBR V: FKM

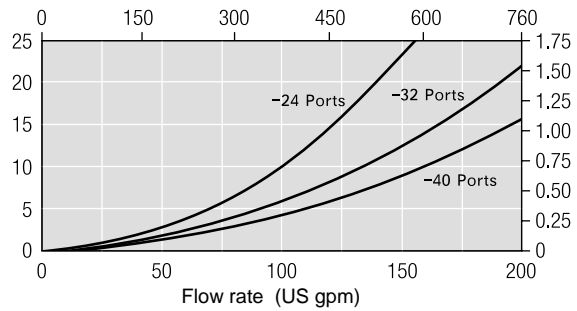
## Maintenance Instructions

- 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 shell (with a fluid specific gravity of 0.9)

Housing pressure drop is directly proportional to specific gravity.



## Filter element pressure difference

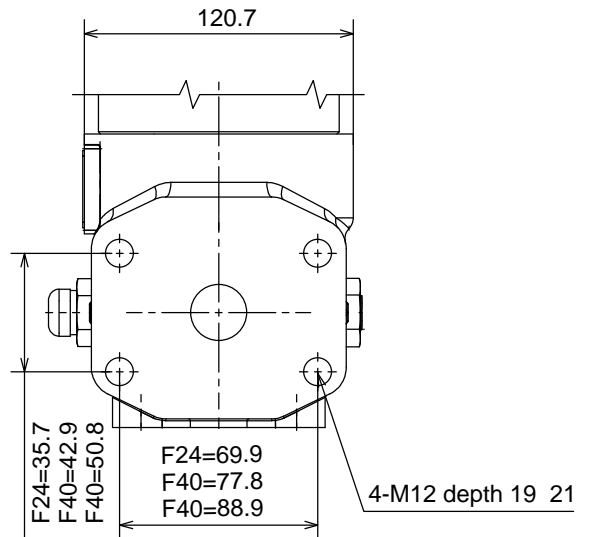
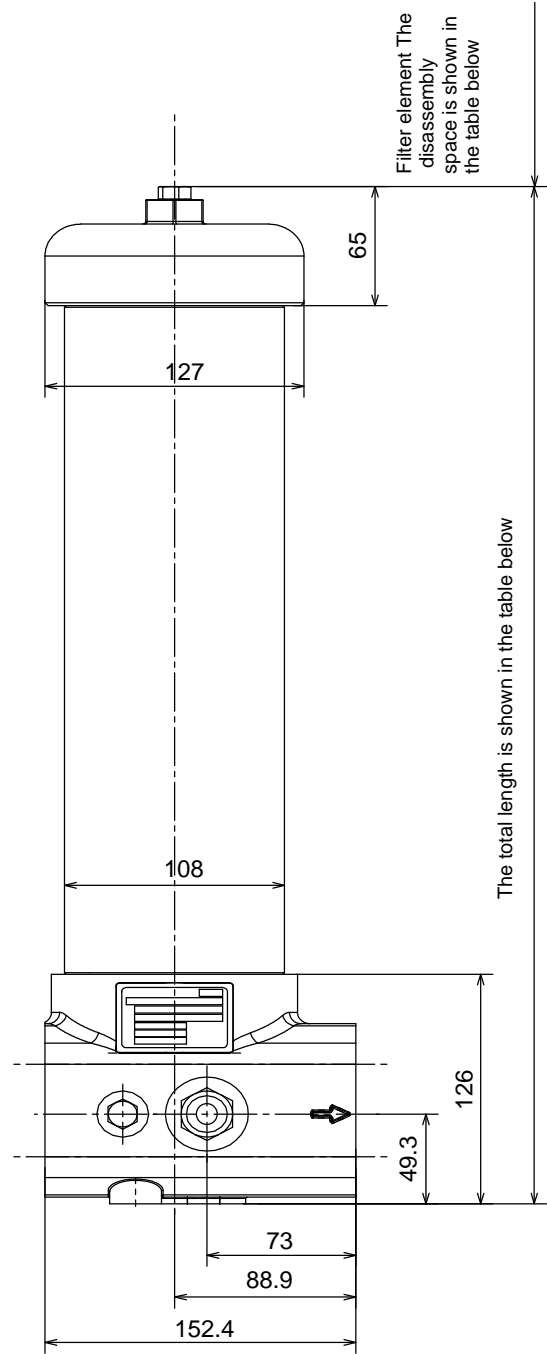
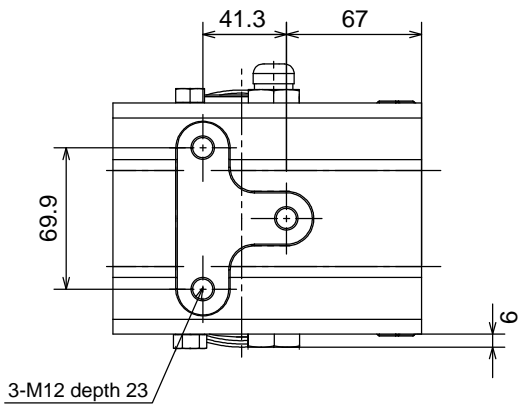
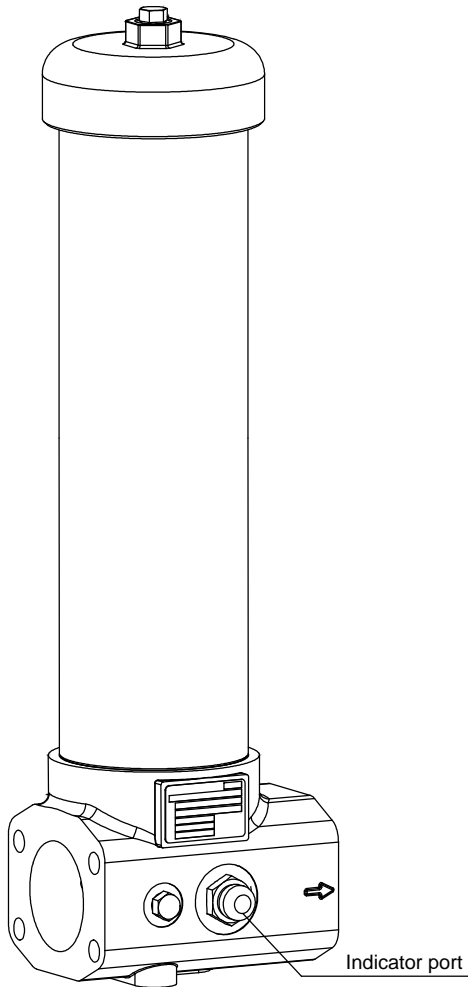
The actual flow rate is multiplied by the coefficient to obtain a filtration viscosity of 32 cSt (150 SUS). The specific gravity is 0.9. The pressure difference of the filter element when the fluid is flowing.

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	424	230	18
13	559	370	21
20	729	530	23
40	1237	1040	30