

## EHZE Series

### ● DESCRIPTION

#### **Return filter**

Connection type and size:

BSP Threaded connection: G $\frac{3}{4}$ " G1" G1 $\frac{1}{2}$ "

Maximum flow rate up to 265 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: Aluminum alloy

Filter bowl: Aluminum alloy

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

EHZE 219 C16 08 12 N G B

Filter type

Filter specification

Connection type and size

| Type | Connection | Filter size |    |    |    |
|------|------------|-------------|----|----|----|
|      |            | 08          | 13 | 20 | 40 |
| C12  | BSP ¾"     | ●           | ●  | ●  | ●  |
| C16  | BSP 1"     | ●           | ●  | ●  | ●  |
| C20  | BSP 1 ¼"   | ●           | ●  | ●  | ●  |

Filter element length

04" 08" 13" 20"

Filter fineness(μm)

3 5 7 12 22

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

EYZE 219 08 12 N

Filter element type

Filter element specification

Filter element length

04" 08" 13" 20"

Filter fineness(μm)

3 5 7 12 22

Seals

N: NBR V: FKM

### Maintenance Instructions

Filter housing must be grounded

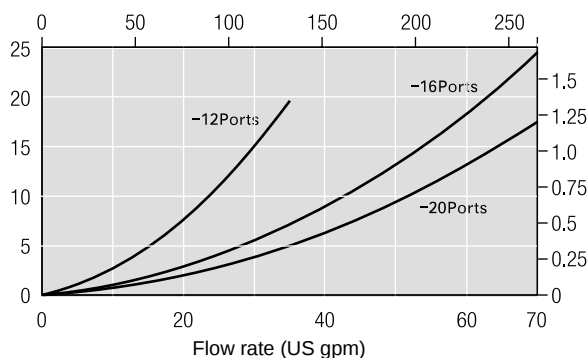
When using electric plugging, please replace the filter element.

The system must be turned off before removing the clogging indicator light and power connector.

### Differential pressure information

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

Housing pressure drop is directly proportional to specific gravity.



### Filter element pressure difference

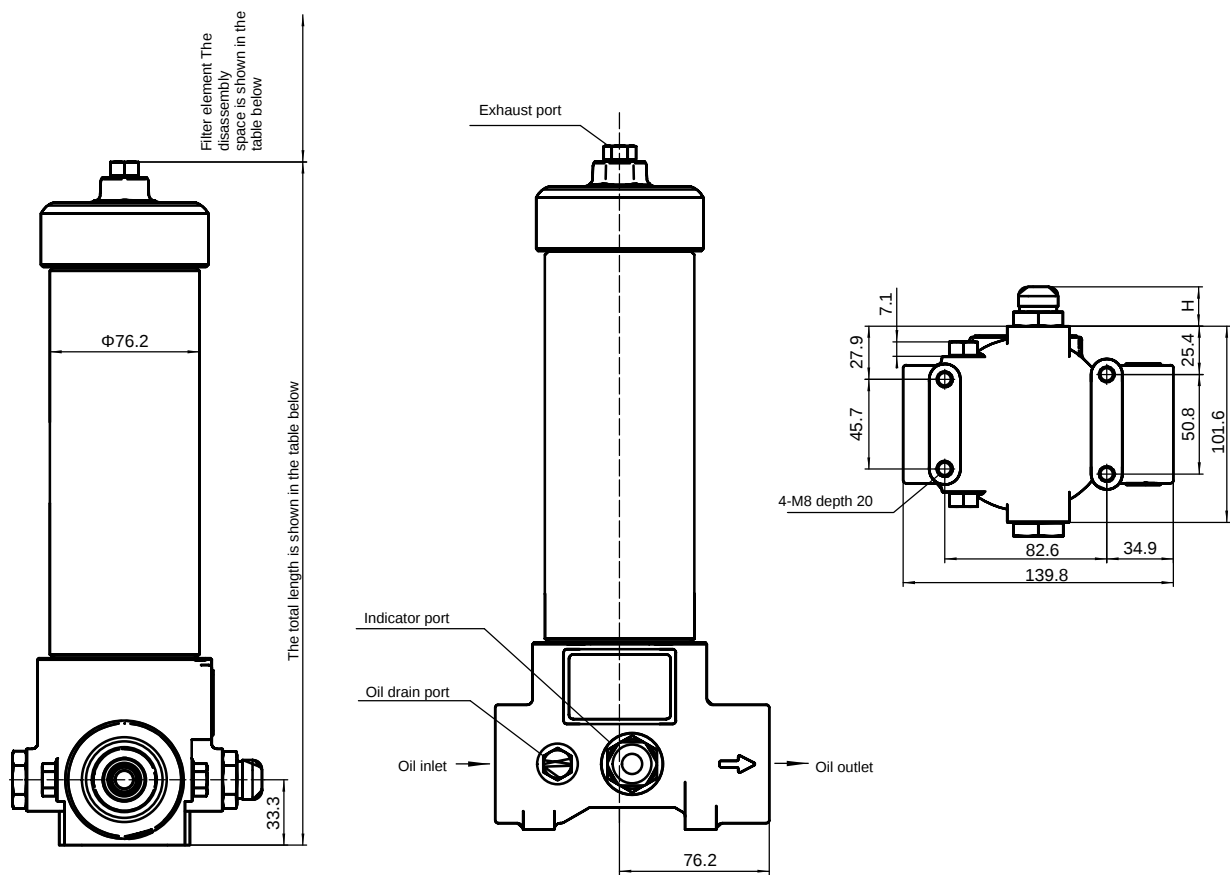
The actual flow rate is multiplied by the coefficient to obtain a filtration viscosity of 32 cSt (150 SUS). The specific gravity is 0.9. The pressure difference of the filter element when the fluid is flowing.

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

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

| Length Code | 3     | 5    | 7    | 12   | 22   |
|-------------|-------|------|------|------|------|
| 04          | 20.07 | 8.51 | 5.72 | 3.55 | 2.69 |
| 08          | 9.93  | 4.21 | 2.83 | 1.76 | 1.33 |
| 13          | 5.95  | 2.52 | 1.70 | 1.05 | 0.80 |
| 20          | 3.95  | 1.68 | 1.13 | 0.70 | 0.53 |

DIMENSIONS



Dimensional unit: mm

| Length Code | Total length | Filter element disassembly space | KG Net weight |
|-------------|--------------|----------------------------------|---------------|
| 04          | 260          | 130                              | 2.5           |
| 08          | 362          | 230                              | 3.1           |
| 13          | 496          | 370                              | 3.6           |
| 20          | 667          | 530                              | 3.9           |