



EHHD Series

● DESCRIPTION

Return filter

Connection type and size:

SAE Flange connection: 1-1/2" 2" 2-1/2"

Maximum flow rate up to 1200 l/min

● TECHNICAL PARAMETER

Maximum working pressure: 28 bar

Bypass valve opening pressure: 3.4 bar

Transmitter opening pressure: 2.4 bar

Temperature range: -29 to +120

● MATERIALS

Head: Cast aluminium

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

EHHD 8314 F40 X 12 N B C 1

Filter type

Filter specification

Connection type and size

Type	Connection
F24	1 1/2"
F32	2"
F40	2 1/2"

Filter element length

Type	Filter element length
U	16
X	39

Filter fineness(μm)

2.5 5 7 12 22

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

Installation holder options

Omit = Without holder

1 = U length is 2 holders

X length is 3 holders



Filter Element

EYHD 8314 39 12 N

Filter element type	EYHD
Filter element specification	8314
Filter element length	39
16" 39"	12
Filtration fineness(μm)	N
2.5 5 7 12 22	
Seals	
N: NBR V: FKM	

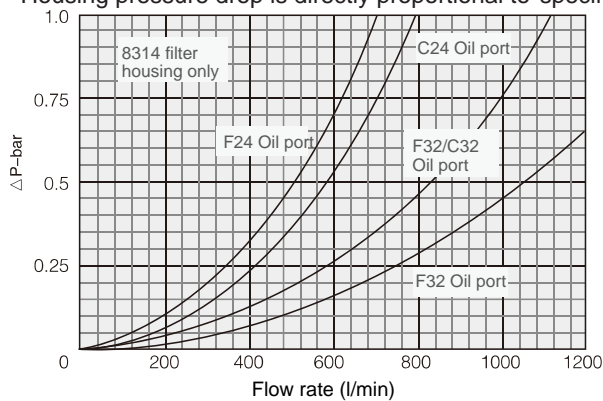
Huayu E

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.



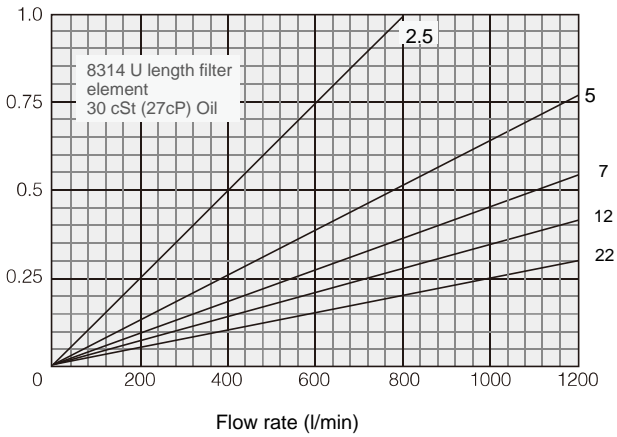
Filter element pressure difference

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.

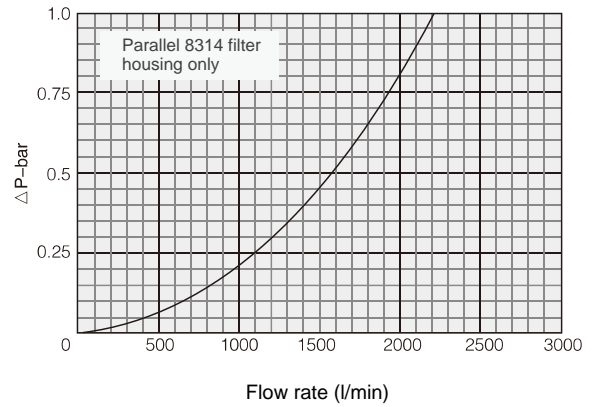
U Length filter element pressure drop:

The pressure drop of the filter element is proportional to the absolute viscosity.



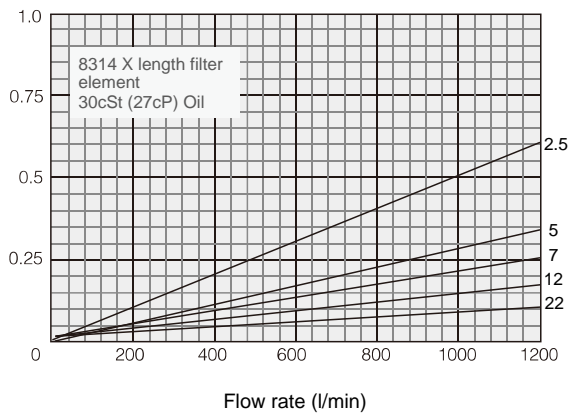
Parallel 8314 filter housing and oil pipe pressure drop:

Using an oil with a specific gravity of 0.9, the pressure drop is proportional to the specific gravity.



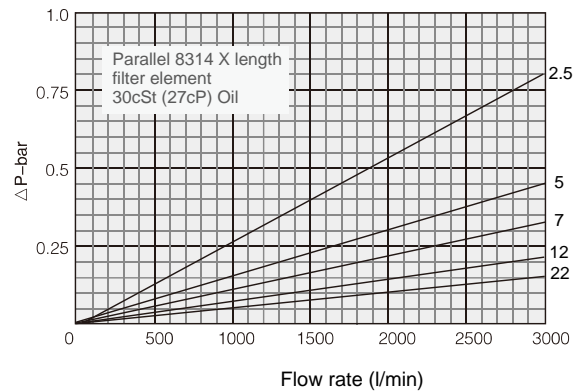
X Length filter element pressure drop:

The pressure drop of the filter element is proportional to the absolute viscosity.



Parallel 8314 filter element pressure drop:

Only X length. The pressure drop of the filter element is proportional to the absolute viscosity.



Flange mounting bolt size (press ISO6162)

Filter series	Type	Flange code	GG	Q	Z Screw thread	AA Depth
8314	F24	1 1/2"	35.7	69.8	M12-6H	25
	F32	2"	42.9	77.8	M12-6H	25
	F40	2 1/2"	50.8	88.9	M12-6H	25
8314 Duplex bowls	F48	3"	61.9	61.9	M16-6H	25



DIMENSIONS

