

EHC Series

● DESCRIPTION

Return filter

Connection type and size:

Flange connection: 3"

Maximum flow rate up to 1500 l/min

● TECHNICAL PARAMETER

Maximum working pressure: 10 bar

Bypass valve opening pressure: 3.4 bar

Transmitter opening pressure: 2.4 bar

Temperature range: -43 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

	EHC	8420	F48	U	12	N	B	B	A										
Filter type																			
Filter specification																			
Connection type and size																			
SAE 3"																			
Filter element length																			
<table border="1"> <thead> <tr> <th>Type</th> <th>Filter element length</th> </tr> </thead> <tbody> <tr> <td>S</td> <td>8</td> </tr> <tr> <td>U</td> <td>16</td> </tr> <tr> <td>V</td> <td>26</td> </tr> <tr> <td>X</td> <td>39</td> </tr> </tbody> </table>	Type	Filter element length	S	8	U	16	V	26	X	39									
Type	Filter element length																		
S	8																		
U	16																		
V	26																		
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) B: Visual (Manual reset) R: Electrical indicator RL: Visual and electrical indicators M: Electrical indicator ML: Visual and electrical indicators																			
Diffuser Options																			
A = Without diffuser Omit = With diffuser																			

Filter Element

	EYHC	8420	16	12	N
Filter element type					
Filter element specification					
Filter element length					
08" 16" 26" 39"					
Filtration fineness(μm)					
2.5 5 7 12 22					
Seals					
N: NBR V: FKM					

Maintenance Instructions

Filter housing must be grounded

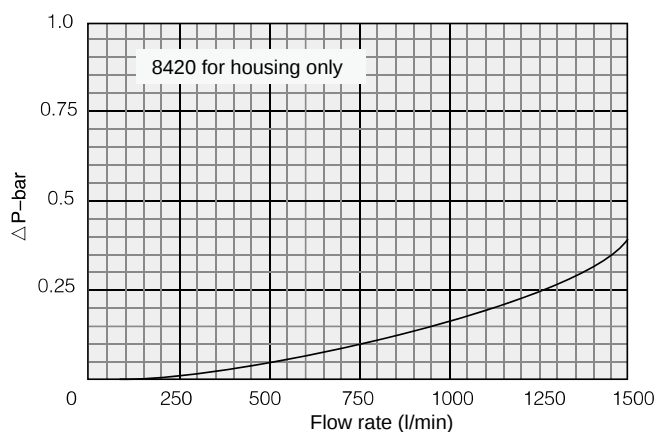
When using electric plugging, please replace the filter element.

The system must be turned off before removing the clog 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.

Length	2.5	5	7	12	22
8" *	2.85	1.25	1.03	0.77	0.52
16"	1.42	0.62	0.51	0.38	0.25
26"	1.10	0.42	0.34	0.25	0.17
39"	0.71	0.27	0.22	0.16	0.11

DIMENSIONS

Dimensional drawing of oil inlet flange

