

EHGK Series

● DESCRIPTION

High pressure filter

Connection type and size:

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

Maximum flow rate up to 110 l/min

● TECHNICAL PARAMETER

Maximum working pressure: 350 bar

Bypass valve opening pressure: 4.5 bar

Transmitter opening pressure: 3.5 bar

Temperature range: -29°C to +120°C

● 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

		EHGK	209	C16	07	12	N	B	B														
Filter type																							
Filter specification																							
Connection type and size																							
<table border="1"> <thead> <tr> <th rowspan="2">Type</th> <th rowspan="2">Connection</th> <th colspan="2">Filter size</th> </tr> <tr> <th>03</th> <th>07</th> </tr> </thead> <tbody> <tr> <td>C12</td> <td>BSP ¾"</td> <td>●</td> <td>●</td> </tr> <tr> <td>C16</td> <td>BSP 1"</td> <td>●</td> <td>●</td> </tr> </tbody> </table>		Type	Connection	Filter size		03	07	C12	BSP ¾"	●	●	C16	BSP 1"	●	●								
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C12	BSP ¾"	●	●																				
C16	BSP 1"	●	●																				
Filter element length																							
03" 07"																							
Filter fineness(μm)																							
3 5 7 12 22																							
Seals																							
N: NBR V: FKM																							
Bypass valve opening pressure																							
G = 4.5 bar N = Wihout 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

EYGK 209 07 12 N

Filter element type

Filter element specification

Filter element length

03" 07"

Filter fineness(μm)

3 5 7 12 22

Seals

N: NBR V: FKM

Maintenance Instructions

Filter housing must be grounded

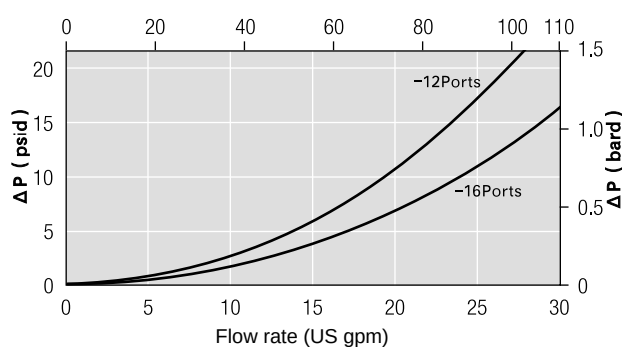
When using electric plugging, please replace the filter element.

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

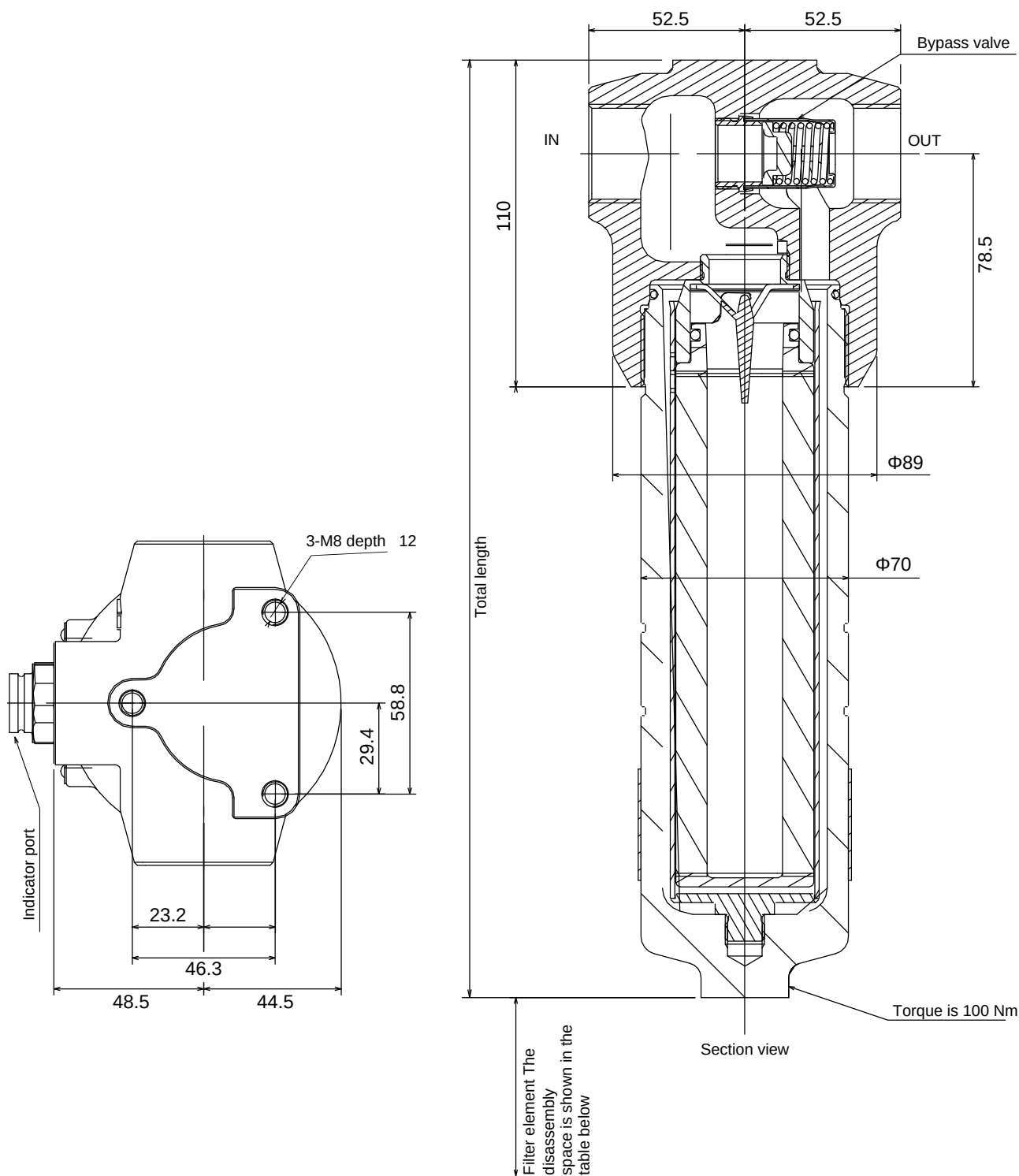
The actual flow rate is multiplied by the coefficient to obtain a filtration viscosity of 32 cSt (150 SUS). The specific gravity is 0.9. The pressure difference of the filter element when the fluid is flowing.

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

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

Length Code	3	5	7	12	22
03	34.75	13.92	10.62	9.00	7.67
07	15.69	6.29	4.79	4.06	3.46

DIMENSIONS



Dimensional unit: mm

Length Code	Total length	Filter element disassembly space	KG Net weight
03	115	60	5.3
07	206	60	6.3