

EHSW Series

● DESCRIPTION

Duplex bowls return oil filter

Connection type and size:

SAE Flange connection: G1½" G2"

Maximum flow rate up to 600 l/min

● TECHNICAL PARAMETER

Maximum working pressure: 25 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: Stainless 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

		EHSW	319	F32	12	12	N	B	N	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="4">Filter size</th> </tr> <tr> <th>08</th> <th>13</th> <th>20</th> <th>40</th> </tr> </thead> <tbody> <tr> <td>F24</td> <td>SAE 1 1/2"</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>F32</td> <td>SAE 2"</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> </tbody> </table> ISO 6162 Flange		Type	Connection	Filter size				08	13	20	40	F24	SAE 1 1/2"	●	●	●	●	F32	SAE 2"	●	●	●	●									
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3 5 7 12 22																																
Seals																																
N: NBR, V: FKM																																
Bypass valve opening pressure																																
B = 3.4 bar N = Without bypass valve																																
Secondary Port Options																																
N = Without S = 1 1/4" Port (same type as main entrance)																																
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

EYSW 319 20 12 N

Filter element type

Filter element specification

Filter element length

08" 13" 20" 40"

Filtration fineness(μm)

3 5 7 12 22

Seals

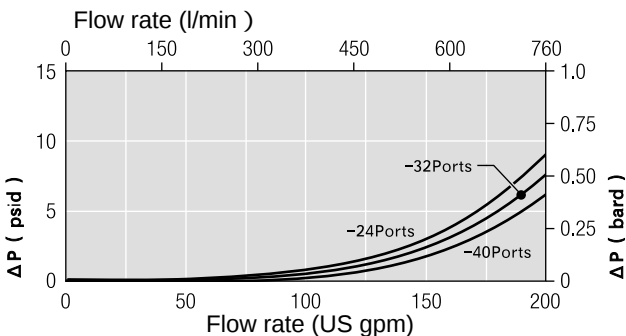
N: NBR V: FKM

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 housing with a fluid specific gravity of 0.9.
 Housing pressure drop is directly proportional to specific gravity.



Filter element pressure difference

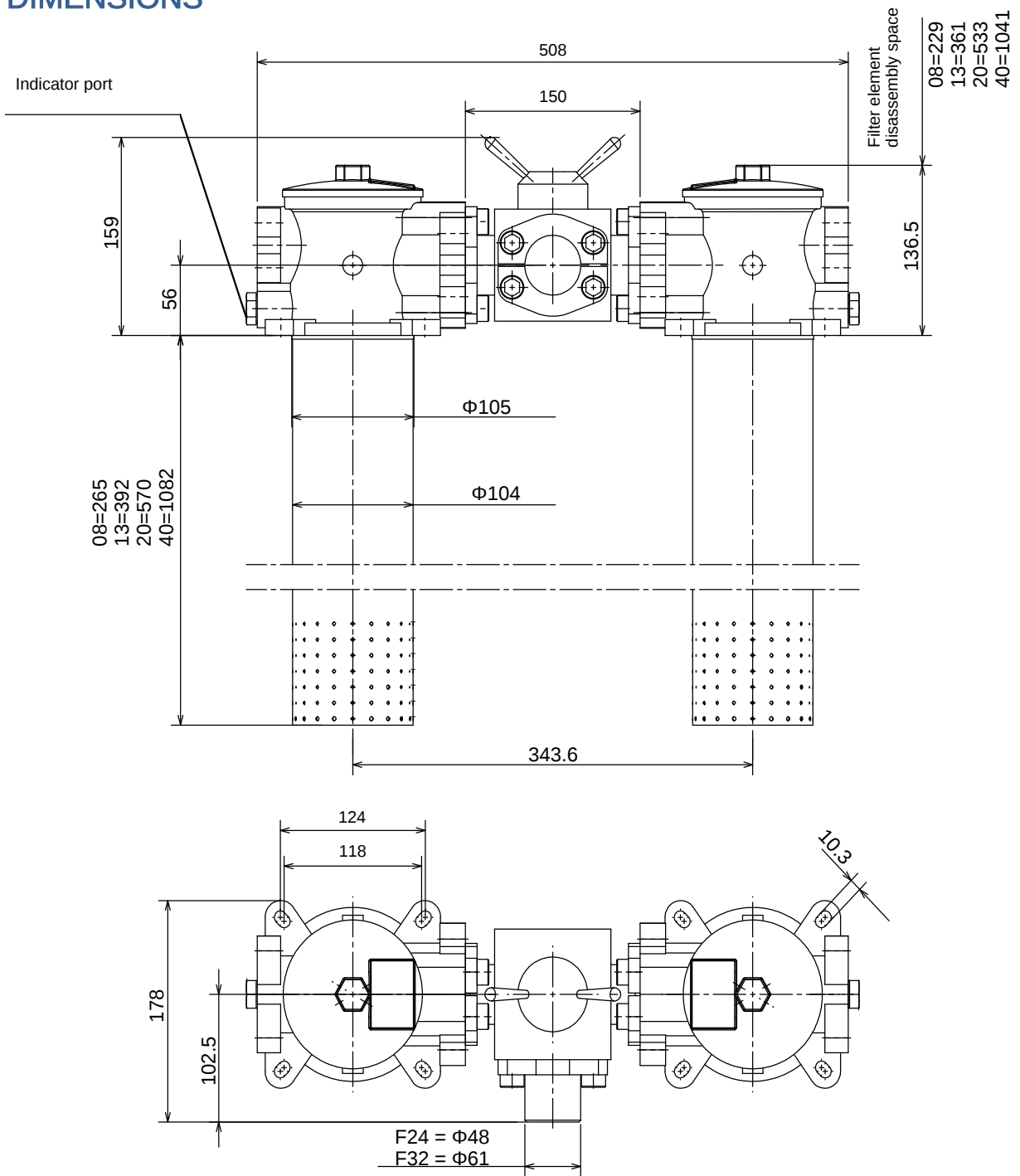
The actual flow rate is multiplied by the coefficient to obtain a filtration viscosity of 32 cSt (150 SUS). The specific gravity is 0.9. The pressure difference of the filter element when the fluid is flowing.

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

Length Code	2.5	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

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

DIMENSIONS



Dimensional Drawing of Oil Tank Installation Surface

