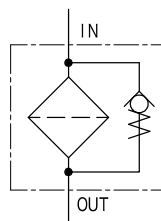


Return line filters OFR



Functional Symbol



- The OFR is used in the return line of hydraulic systems. A bypass valve is incorporated in the OFR which is actuated to bypass flow when the pressure drop increases.

Model Code

OFR - 08 F - 10

1 2 3 4

- 1 Return line filter
- 2 Size
See 'Specifications'
- 3 Connection
F: Flange connection

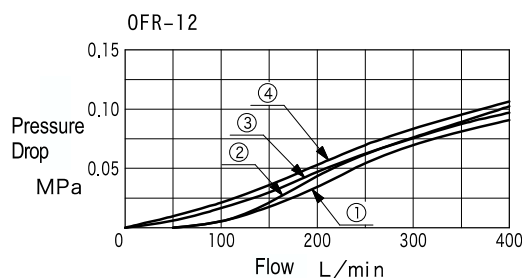
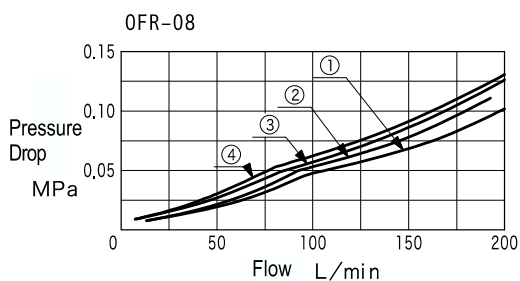
- 4 Filtration level
10:10 μm
25:25 μm

Specifications

Model	Size	Max. Inlet Pressure MPa	Rated Flow L/min	Bypass Valve Cracking Pressure MPa	Weight kg
OFR-08	1	1.5	80	0.06 ※	2.7
OFR-12	1-1/2		200		6

※: Values at rated flow.

Performance Curves

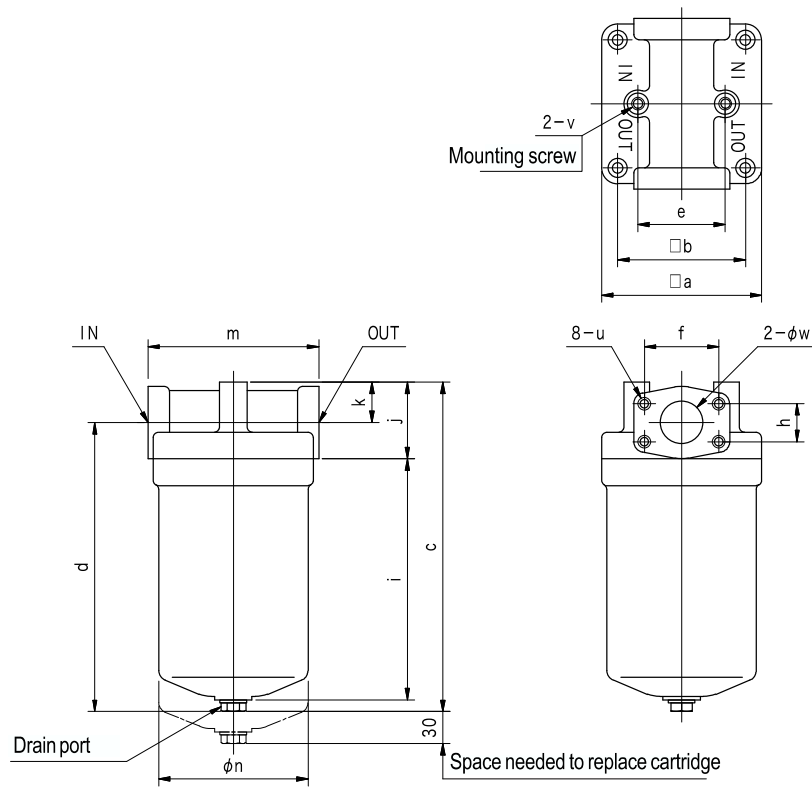


- ① Viscosity 22 mm^2/s , filtration level 25 μm
- ② Viscosity 22 mm^2/s , filtration level 10 μm
- ③ Viscosity 68 mm^2/s , filtration level 25 μm
- ④ Viscosity 68 mm^2/s , filtration level 10 μm

Operating Considerations

- Confirm IN, OUT connections when piping. Pipe directly to tank to avoid back pressure at the OUT port.
- When filter cartridge is replaced, mount drain port toward bottom as contaminated oil may be discharged.
- Filter cannot be used with water glycol fluid.

Dimensions



Dimensions

Model	w	a	b	c	d	e	f	h	i	j	k	m	n	u	v
OFR-08	28	120	95	229	197	60	52.4	26.2	156	64	32	128	106	M10 20deep	M10 20deep
OFR-12	40	150	120	309	271	82	69.9	35.7	226	72	38	160	140	M12x1.25 24 deep	M12x1.25 24 deep

Piping Flange

Filter Model	Flange Model	
	Threaded	Welded
OFR-08	FL1-8-08P-10-JA-S4-J	FL1-8-08W-10-JA
OFR-12	FL1-12-12P-10-JA-S4-J	FL1-12-12W-10-JA

- Flange mounting bolts (M10 for OFR-08, M12 X 12.25 for OFR-12) are supplied separately.
- Flanges are not included with filter unit.