



**CleverFilter®**

THE FILTRATION PEOPLE

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# R83-Series

## High Quality Low Pressure Oil Filter Housings

### Features and Benefits

- Main parts made of aluminum alloy which results in high structural strength while the appearance is light
- Housing with O-ring seal for simple and safe handling
- Suitable for a wide range of filter elements such as 8314-, 8304-, 8310-, 8300-series and others for a broad application spectrum
- Available for cartridge lengths of 16" and 39"
- Easy to access discharge port for convenient draining
- Rapidly responding bypass valve device to increase system safety
- Several options for differential pressure warning to meet individual needs and conditions
- Lid closure and opening without any tools makes the housing easy to operate
- Special oxidative coating treatment of the cylinder surface results in an aesthetic corrosion resistance
- Strictly manufactured under ISO9001 / 14001 and OHSAS18001 as a pre-condition for persistent quality



### Applications

- Hydraulic circuit
- Gear circuit
- Hydraulic power unit
- Filling system
- Many others





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## Technical Data

| Product    | Description                     | Materials                       | Height [mm]                                | Cartridges e.g. |
|------------|---------------------------------|---------------------------------|--|-----------------|
| R83-Series | Low pressure oil filter housing | Aluminum alloy and carbon steel | 16" cartridge: 615<br>39" cartridge: 1,170 | RP 8304 F03-39H |

| Max. flow rate (rec.) [l/min] | Max. operating pressure [MPa] | Test pressure [MPa] | Temperature range* [°C]                 | Inlet / outlet connection                          |
|-------------------------------|-------------------------------|---------------------|---|--|
| 1,200                         | 2.8<br>(28 bar)               | 4.2<br>(42 bar)     | Buna N: - 43 ~ 107<br>Viton: - 29 ~ 120 | G2" (external) BSPP thread<br>or 2 1/2" SAE flange |

\* based on o-ring material

## Product Code

R – Z – 8304 – A – C – 39 – B

R: Low pressure oil filter housing

Sealing:

H: Buna N  
Z: Viton

Filter series:

8300: RP8300  
8310: RP8310  
8304: RP8304  
8314: RP8314

Inlet / outlet connection:

A: 2-1 / 2" SAE flange  
B: G2" (external) BSPP thread

options for differential pressure warning:

B : Port with metal plug  
D : Visual warning device **without** cold start recognition  
I : Port with plastic plugs  
P : Visual warning device **with** cold start recognition  
R24DC : SPDT, illuminated, 24V DC

Cartridge length:

16 : 16"  
39 : 39"

Pressure range bypass valve:

A: 1.7 ± 0.2 bar  
B: 4.5 ± 0.4 bar  
C: 3.4 ± 0.3 bar  
D: 6.9 ± 0.5 bar  
Y: no bypass valve

R83-Series Oil Filter Housing R4SR-R8PR\_eng

Due to technical progress data can change at any time without prior notice. We strongly recommend to test and to survey each product in its specific process conditions.