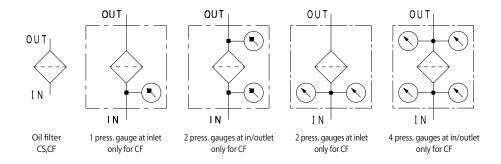


# Spin-on type Oil Filter

# Characteristics

- Easy maintenance by cartridge replacement
- Applicable to both total amount filtration and partial filtration depending on flow rate
- Built-in relief valve prevents cartridge from breakdown by clogging
- Pressure gauge is installable at 4 positions: In/Outlet, left/right side (option)
- Pipe connection type is "Rc threaded"



# **SPECIFICATION**

Max working pressure	MPa	0.5
Working temperature	°C	-10 ∼ 90
Working fluid		Mineral oil
Measurable pressure range	MPa	0~1.0
Cracking pressure	MPa	0.1
Flow direction/		OUT → IN /
Extract direction of filter element		Downward

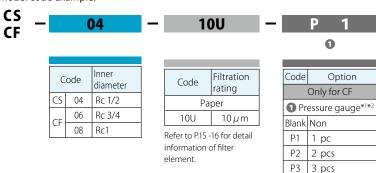
Model code		CS-04	CF-06	CF-08	
Standard flow rate $  \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $		25	70	85	
Main material	Body	Aluminum			
Coating	Body	Non-coating			
	Cartridge	Blue gray	Gray		
Weight kg		0.49	0.92		

<sup>☆</sup>Standard flow rate is estimated by the condition of density: 0.86, kinematic viscosity: 32mm²/s, filtration rating: U10, pressure drop: lower than 0.05MPa.

(Since it is adjusted by characteristic of each product, value can be different in some cases.)

## MODEL CODE

 $\langle Model \ code \ example \rangle$ 



P4 4 pcs

<sup>1</sup> Only for CF model. If selecting the model without pressure gauge, additional installation is NOT available due to no mounting port.

## FLOW RATE GRAPH

#### Condition

Fluid type: ISO VG32 Oil temperature: 40°C

/Density: 0.86, Kinematic viscosity: 32mm²/s

#### ■ How to calculate of pressure drop

• Estimate pressure drop of filter assembly by following equation:

Pressure drop of filter assembly = ① Pressure drop of filter housing + ② Pressure drop of filter element

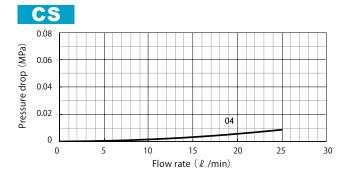
• Estimate pressure drop of filter assembly by following equation if required condition is different:

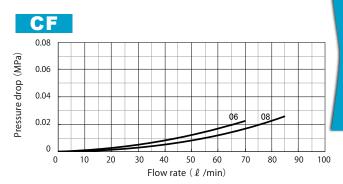
Pressure drop of filter housing = Fluid density 0.86 × Pressure drop of filter housing at density of 0.86

Pressure drop of filter element = Fluid density 0.86 × Kinematic viscosity × Pressure drop of filter element at density of 0.86, kinematic viscosity of 32

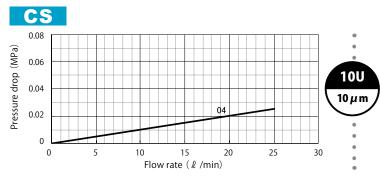
★ Pressure drop of filter housing is proportional to fluid density, and pressure drop of filter element is proportional to fluid density and kinematic viscosity.

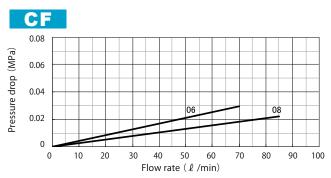
# 1 Pressure drop of filter housing





# 2 Pressure drop of filter element





## **DIMENSION • PARTS LIST**

