

Instruction Manual

Fore-line trap
OFI-050V, 200V
OFI-050C, 200C

CAUTION

When inlet and outlet of "OFI-050C and OFI-200C" are left in atmospheric air with disconnection state, cartridge absorbs moisture.
When cartridge absorbs moisture, a pressure may not fall at the time of application.
"OFI-050C and OFI-200C" please do not open until just before a use.
And the cap of inlet and the outlet please do not remove until just before a use, too.

Thank you for taking your choice of our OFI fore-line traps.

For safe and efficient operation, thoroughly read this manual and fully understand the precautions in use, performances of this product, and operating procedures before using it.

This is the suction filter which special filter is built-in into the stainless housing.

OFI-050V, 200V prevent the particle into the vacuum pump.

OFI-050C, 200C prevent counter flow of oil vapor into the vacuum chamber.

1. Unpacking and checking

Upon unpacking the pack, check the followings.

- 1) Is the delivered unit the correct model you ordered?
- 2) Is any part of the equipment damaged or deformed in transit?
- 3) If any part is found not normal, please contact your local Ulvac Kiko agent or distributor.

2. Specifications

Model	OFI-050V OFI-050C	OFI-200V OFI-200C
Pressure range	Atmospheric to 1.33×10^{-4} Pa	
Maximum pumping Speed	85L/min	255L/min
Port size	KF-25	
External dimension	74 × 114mm	99 × 150mm
Unit material	SUS304	

· OFI-050V, 200V element is effective in removing a lots of particles. Materials of the element are made from boron silicate glass microfibers, polypropylene and non organic resin bonding.

Filtration efficiency	Removing 90% of powder 0.1 μm	
Loss of the pumping efficiency	9% loss than maximum pumping speed	
Material	Cartridge	Polypropylene, glass fiber
	Seal	EPR
Maximum temperature	82	

· OFI-050C, 200C prevent from counter flowing of oil diffusion into the vacuum pump.
Materials of the element are made from grass micro fiber and molecular sieve 4A.

Efficiency for preventing from reverse diffusion of oil		99.99%
Life		Approx.1,000hours at suction pressure 1.33Pa
Filtration efficiency		Removing 90% of 0.1 μm powder
Loss of the pumping efficiency		19% loss from maximum pumping speed
Material	Cartridge	Molecular sieve 4A, glass fiber
	Seal	EPR
Maximum temperature		38

3. Installation

By using KF-25 clamp fitting, attach to the ULVAC KIKO's vacuum pump firmly.

GLD and GCD series can only work with KF-25 clamp fitting as an attachment. Other pumps need clamp fitting for KF-25, O-ring and center-ring as an attachment (optional parts).

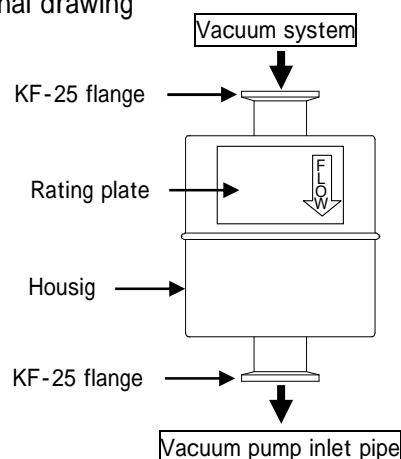
4. Replacing the filter

Filter cartridge is set and sealed up in the housing.
When replacing the filter, please exchange the whole unit.

5. Disposal

Dispose the filter and any removed components from the equipment safely in accordance with all local, national safety and environmental requirements.

6. Dimensional drawing



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