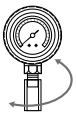
Supporting oil-free air lines

The high-performance main line filter AF4000 Series with stainless steel housing supports clean environments.
This filter is perfect for oil-free air lines.

Differential gauge mounting port

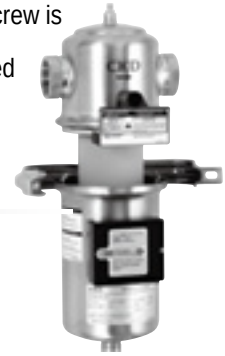


A mounting port for the differential pressure gauge (option) is provided on the top of the filter.

Preventing accidents

With residual pressure warning function

A band cover is provided as a standard to prevent unintentional removal of the band during operation or when there is a residual pressure. When the band cover's fixing screw is loosened, a small amount of air is leaked to notify the operator.



Easy element replacement

A band method is used to tighten the housing. There's no need to use tools when replacing the element.

Time-controlled element replacement timing

The conventional differential pressure method supported fluid type oil mist for which it was difficult to determine the replacement timing. The replacement timing is now controlled by time (approx. one year). A lamp flashes to alert the operator when the replacement timing arrives.

Housing drop-prevention mechanism

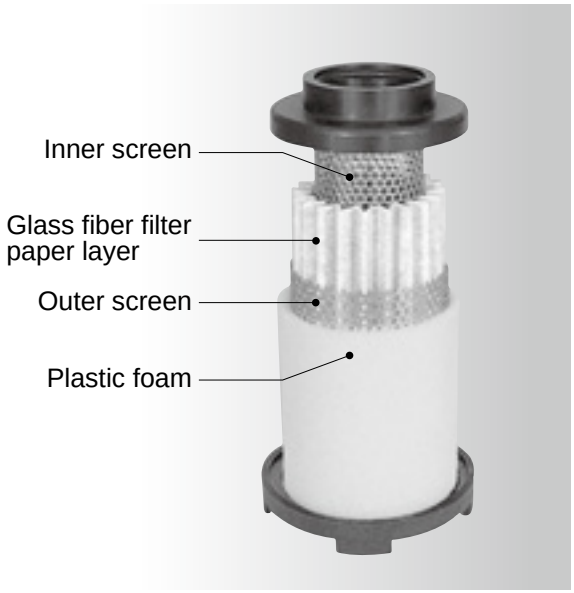
A mechanism is provided to prevent the housing from dropping when the band cover is removed for maintenance, such as when replacing the element.
The housing can be removed and mounted with both hands.

Highly reliable drain separator

A highly reliable snap drain (DT Series) is mounted on the drain separator.
Discharge drain without wasteful air loss.

M type element structure

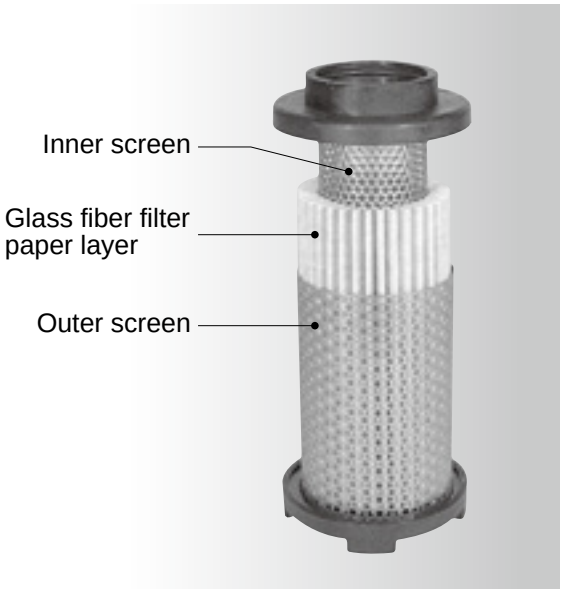
- Removes particles 0.01 μm or larger in size
- Outlet oil concentration 0.01 mg/m³
- Normal pressure loss value is reduced



1. The waterproof and oil-proof glass fiber filter paper captures and condenses oil mist and reduced the pressure loss value.
2. The pleat structure ensures a wide filtration area.
3. Polyvinyl chloride resin has been eliminated in view of the global environment.

S type element structure

- Removes particles 1 μm or larger in size



1. The standard glass fiber filtration paper improves the catching performance and water resistance.
2. The pleat structure ensures a wide filtration area.
3. A stable catching performance is realized even if there are water drops in the air.

AF4000 Series System

Water drop removal Solid particle removal

For air dryer pre-filter

- Removes particles 5 μm or larger
- Water drop separation rate 99%

P Type

Filter Solid particle removal

Protect your expensive air compressor

- Removes particles 1 μm or larger

S Type

Highly efficient removal of oil mist Highly efficient removal of solids

Suitable for pneumatic pressure circuits susceptible to oil

- Removes particles 0.01 μm or larger
- Secondary oil concentration Removes oil up to 0.01 mg/m³ (at 20˚C)

M Type

Oil vapor removal Odor removal

Suitable for pneumatic pressure circuits which are susceptible to odors

- Absorption with active carbon fibers
- Secondary oil concentration Removes vaporous oil mist and odors up to 0.003 mg/m³ (at 20˚C)

X Type