



Mist Separator

MSTA_{Type}

Major Applications

Removal of oil and moisture in gas
Examples: Compressed air, gas

Features

- Multi-layered micro fiberglass filter media
- Pleated type with a large filtration area

Advantages

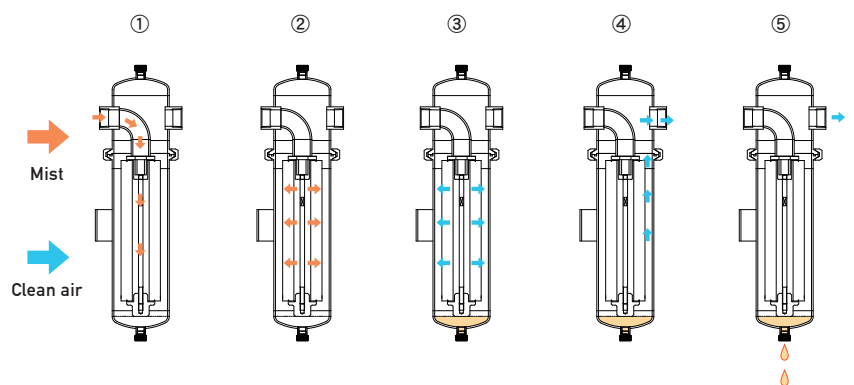
- Efficiently separates oil and water
- Oil aerosol removal performance of $0.3 \mu\text{m} > 99.99\%$
- Low differential pressure

Specifications

Materials	E.F.A.	0.25m ² /250mm
	Media	Resin-impregnated glass fiber
	Core/Cage	SUS304
	Support	Polypropylene
	End Cap	SUS304
Maximum ΔP		0.34MPa at 20°C (49psi at 68°F)
Maximum Operating Temp		60°C (140°F)
Dimensions	Length	250 / 500 mm
	O.D.	67.5mm
	I.D.	27.0mm

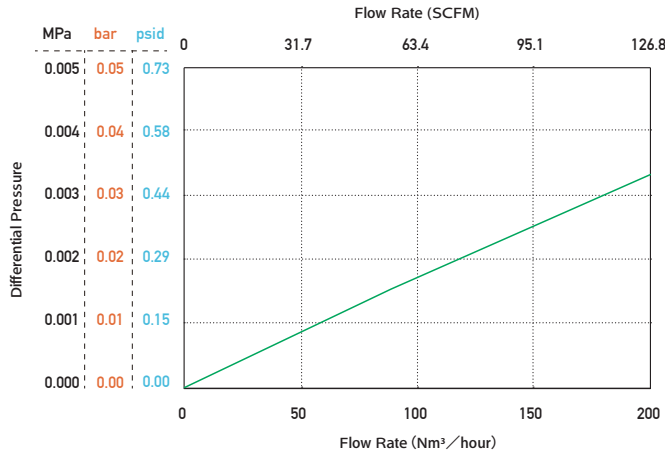
How to use the oil mist separator

- Air and gas flow from the inside of the filter cartridge to the outside.
- The mist component is filtered out.
- In the filter layer, small particles of mist grow into large droplets.
- Oil and water droplets accumulate at the bottom of the housing.
- Oil and water are periodically drained out from the drain.



Differential Pressure vs Flow Rate

Fluid: Air / Cartridge Length: 250mm



*SCFM: Temperature 21.1°C (70°F), Humidity: 0% RH, Standard pressure (101.3kPa)

Aerosol Particle Removal Efficiency

PAO Particle (0.3 μm)

99.99%

Test Conditions

Equipment : Scanning Mobility Particle Sizer
 Filtration : Single Pass
 Fluid : Clean and dry air
 Flow Rate : 0.25m³/s at 20°C (68°F)

Ordering Information

Length

Product Type

Gasket

Packaging Code

2 5 0 L

-MSTA-

A03

N F

A

250 = 250mm
 500 = 500mm

N = NBR
 V = FKM

1pc

*The contents of the catalog are subject to change without notice.

*The performance data listed in the catalog are Typical values obtained under specific conditions based on our tests.

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Manufacturing is based on our Quality Management Systems that meet ISO9001 standards.

Scope

Design, Development, manufacture, and sales of filter cartridges, housings and filtration equipment.



5th Issue
 MST200733LE