

# OPERATION MANUAL

## SUPER MIST SEPARATOR

## Series AME

To get the best performance from your purchase, be sure to read this manual carefully before use.

Refer drawings or catalogue for construction and specifications.

Understand this operation manual will be revised without notification.

### MERITS

- Separate and remove foreign material and aerosol oil particle contained in compressed air.
- Filtration rating: 0.01 μm (Filtration efficiency: 99.9%)
- Outlet cleanliness: 100 or less /ft<sup>3</sup> of 0.3 μm or more of particle (35 or less / 10L (ANR))

### HINTS ON CORRECT USE

Keep following to operate Super mist separator properly.

#### Do not use under following environment.

Chemicals



Corrosive gas + Atmosphere  
Containing organic solvent

Environment  
Higher than  
60



Environment  
Lower than 5

Vibration,  
Impact

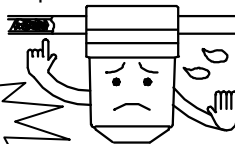


### ! WARNING

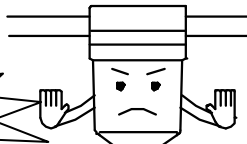
Following environments  
lead to cause breakage.  
Broken pieces injuring if  
broken.

#### Do not use under following conditions.

Fluid other than compressed air



Air pressure more than 1.0 MPa\* and  
0.05MPa or less



Min. 0.05 MPa  
Max. 1.0 MPa

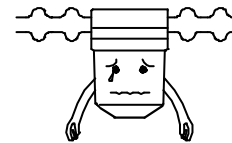


### WARNING

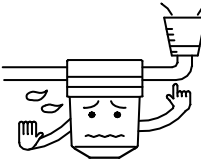
Following environments lead to cause breakage.

\* Option H: 1.6 MPa  
( Only 150C ~ 550C )

Place where more  
than 0.1 MPa of  
intermittent  
pressure drop occurs.



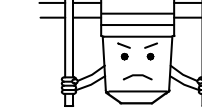
Over rated flow



Place where air  
flows backwards



No back flow

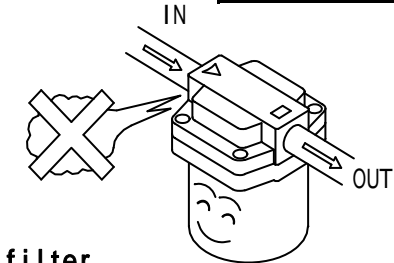


### ! WARNING

Following conditions  
Cause element breakage

### Precautions for installation.

- Install vertically.
- Flush inside of pipings with air.
- Ensure no leakage.
- Keep sight glass in front.



Never fail to install one of  
"AM", "AMD", "AMH" as a pre-filter.

Never fail to use dry air. Indication may not function properly  
if water drop is contained in compressed air.

### MAINTENANCE

Replace the element when one of followings occurs.

Red spots appear on the element surface.

Operated for 2 years, or pressure drop reaches 0.1 MPa.

Element ass'y (gasket, o-ring accessory) model number: AME-EL\*\*\*

\*\*\* is AME size symbol. (ex.: AME-EL150)

**[How to replace element ass'y]**  
**First, discharge the pressure in  
the body. (Make pressure 0 MPa.)**

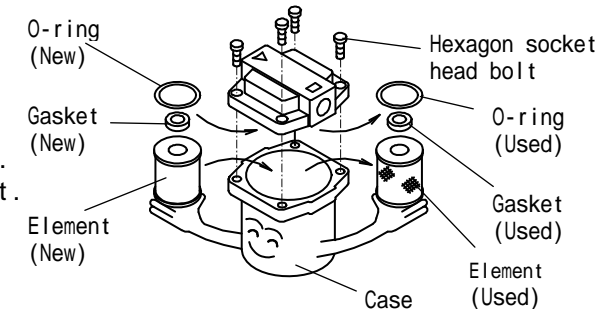
Remove four hexagon socket  
head bolt.

Replace element, gasket, o-ring.

Tighten hexagon socket  
head bolt.

Reference table production no.

showing production month and  
year of a filter. (Mo 2008.1)



SYMBOL	M	N	o	...	Z
Year	2008	2009	2010	...	2021
SYMBOL	o	P	Q	...	Z
Month	Jan	Feb	Mar	...	Dec

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Specifications are subject to change without prior notice  
and any obligation the part of the manufacturer

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