

DAIKIN

To prevent clogging of cooling fins!

Unique DAIKIN Capability

Long Life Filter

Dedicated to
DAIKIN 9 Series
Oil Cooling Units*¹

Industry First Long Life Filter for oil cooling units

No need to clean cooling fins*²

The microfibers of the filter excel at collecting oil mist and dust!
The condenser cooling fins do not clog and do not require cleaning.

Filter change once a year*²

Collecting a greater amount of mist to ensure a long life!
The filter can be changed easily, with no need for tools.

Reduced power consumption

High heat exchange efficiency can be maintained, reducing power consumption by 25 to 30% in comparison with oil cooling units whose condensers have become clogged.*³

**Are the cooling fins of your
oil cooling unit(s) clogged?**



Clogged oil cooling unit

If you leave
the clogging...

Power consumption increases

Machining accuracy deteriorates

Oil cooling unit fails

Production line stoppages

**The cooling fins must
be kept clean
for continuous line operation.**

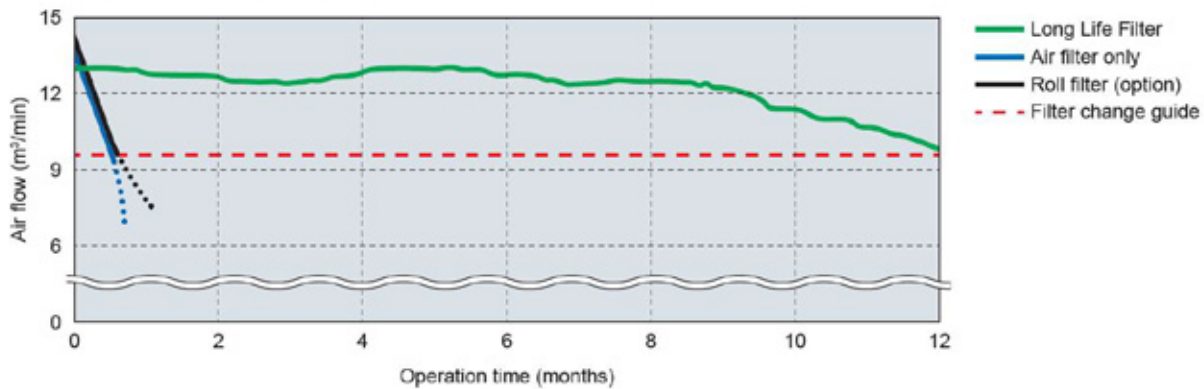
Installing Long Life Filters makes the cooling fins maintenance-free!

*1. Note on models with a tank: The tank oil filler port cannot be opened or closed with the frame in place. Remove the frame before opening/closing the tank oil filler port. *2. This is based on a mist concentration of 0.5 mg/m³. In environments with excessive oil mist/dust, etc., it may be necessary to clean the cooling fins or change the filter more frequently than once a year. *3. This is an estimate obtained with our operation model.



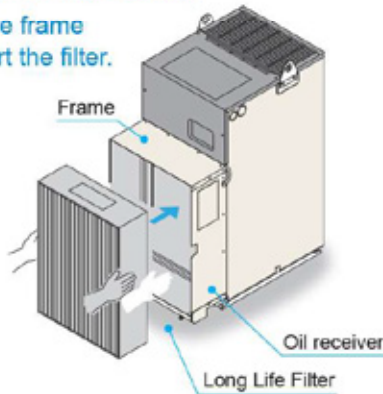
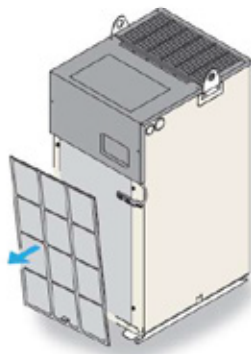
Clogging comparison

Measurement at factory site with high oil mist concentration (model: AKZ439)



How to install and handle Long Life Filters

- 1 Remove the air filter.
- 2 Check the condenser cooling fins and clean them if they are dirty.
- 3 Mount the frame and insert the filter.



Guide to replacement frequency

- ◆ When one year has elapsed since installation
- ◆ When oil cooling capability is lost

Notices

- ◆ The cooling capacity is reduced by about 5%, even when a new filter is installed.
- ◆ Check the oil receiver at the bottom of the frame and drain oil if accumulated.

Specifications

Both a filter and frame are required when placing the first order.

Frame model	Filter model	Oil cooling unit horsepower (HP)	Model representative of targeted oil cooling units	Frame outer dimensions
AKZ9-OP-FR05	AKZ9-OP-LF05	0.5	AKZ149, AKJ189	W365 × H410 × D165
AKZ9-OP-FR12	AKZ9-OP-LF12	1.2	AKZ329, AKJ359, AKC359	W365 × H535 × D165
AKZ9-OP-FR15	AKZ9-OP-LF15	1.5	AKZ439, AKJ459	W365 × H635 × D165
AKZ9-OP-FR20	AKZ9-OP-LF20	2.0	AKZ569, AKJ569, AKC569	W470 × H620 × D165
AKZ9-OP-FR30	AKZ9-OP-LF30 (1 set comprising 2 filters)	3.0	AKZ909, AKJ909	W540 × H710 × D165 (Two filters are used per frame.)



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