


# Save on Energy and Labor Costs in the Factory

## Industry First Long Life Filter for oil chillers

**NEW**  
Long Life Filter for Daikin Series 9 Oil Chillers  
Now available for Series 10



Clogged cooling fins

**Are your cooling fins clogged?**

If you ignore the clogs...

```

    graph LR
      A[Power consumption increases] --> B[Machining accuracy deteriorates]
      B --> C[Oil chiller fails]
      C --> D[Production stops]
  
```

**Clean cooling fins are essential** for continuous operation.



### Once-a-year filter changes <sup>\*2</sup>

The Long Life Filter collects more mist, thereby increasing its lifespan. Easily swap out the filter, with no tools required.

### 25 to 30% Power Consumption Reduction

High heat exchange efficiency can be maintained, reducing power consumption by 25 to 30%, compared to oil chillers with clogged condensers. <sup>\*3</sup>

### No need to clean cooling fins <sup>\*2</sup>

The microfibers in the filter efficiently collect oil mist and dust, which means the condenser cooling fins remain unclogged and maintenance-free.

Comments from **active users** of the Long Life Filter

We have been using the Long Life Filter for a year, and the cooling fins haven't become dirty. We no longer experience alarms due to clogging, ensuring our equipment operates smoothly.

**Company A, with 370 units**

The time spent on oil chiller maintenance has been reduced, resulting in a decrease in overall maintenance hours. From now on, we will equip new units with the Long Life Filters.

**Company B, with 100 units**

See how easy it is to use the Long Life Filter in this video.

URL: <https://www.hyd.daikin.com/special/oilcon/longlifefilter/lp>

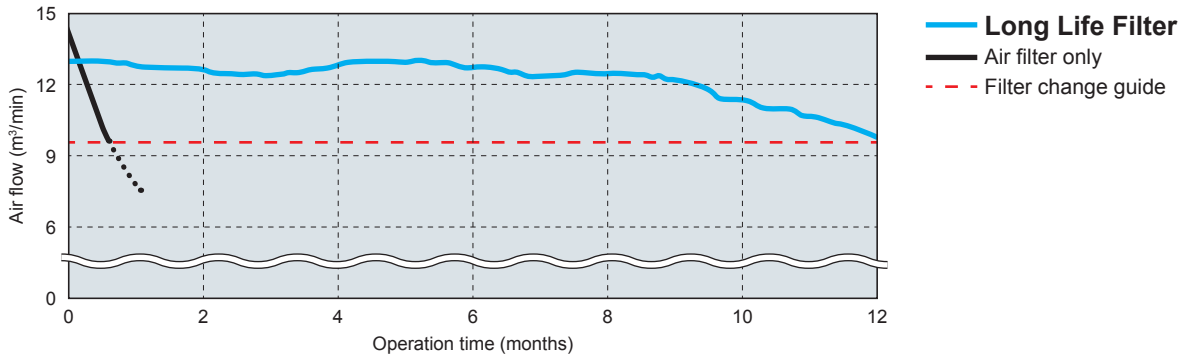


Scan the QR code right away!

\*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/m<sup>3</sup>. 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 based on our operation model.

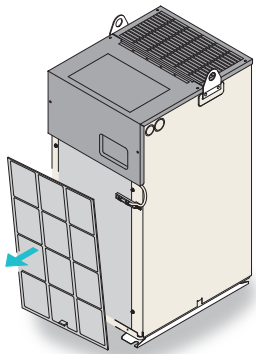
## Clogging comparison

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

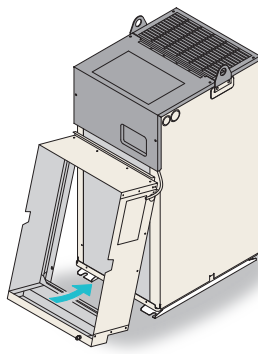


## How to install and handle Long Life Filters

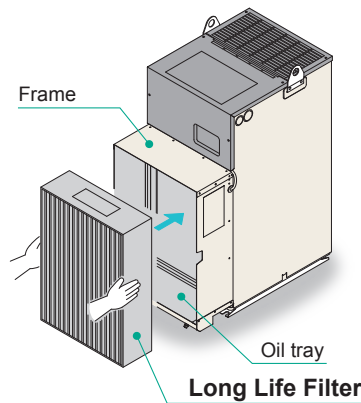
1 Remove the air filter.



2 Mount the frame.



3 Insert the Long Life 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 with a new filter is installed.
- ◆ Check the oil tray at the bottom of the frame and drain any accumulated oil.

## Specifications

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

Frame model	Filter model	Oil chiller horsepower (HP)	Model representative of targeted oil chillers		Frame outer dimensions
			For Series 9	For Series 10	
AKZ9-OP-FR05	AKZ9-OP-LF05A	0.5	AKZ149, AKJ189, AKW149/189	—	W365 × H410 × D165
AKZ9-OP-FR12	AKZ9-OP-LF12A	1.2	AKZ329, AKJ359, AKC359, AKW329/359	—	W365 × H535 × D165
AKZ9-OP-FR15	AKZ9-OP-LF15A	1.5	AKZ439, AKJ459, AKW439/459	—	W365 × H635 × D165
AKZA-OP-FR05	AKZA-OP-LF05A	0.5	—	<b>AKZ14A, AKJ18A, AKW14A/18A</b>	W365 × H395 × D165
AKZA-OP-FR12	AKZA-OP-LF12A	1.2	—	<b>AKZ32A, AKJ35A, AKW32A/35A</b>	W365 × H520 × D165
AKZA-OP-FR15	AKZA-OP-LF15A	1.5	—	<b>AKZ43A, AKJ45A, AKW43A/45A</b>	W365 × H620 × D165
AKZA-OP-FR20	AKZA-OP-LF20A	2.0	AKZ569, AKJ569, AKC569, AKW569/589	<b>AKZ56A, AKJ56A, AKW56A/58A</b>	W470 × H620 × D165
AKZA-OP-FR30	AKZA-OP-LF30A <sup>*4</sup>	3.0	AKZ909, AKJ909, AKW909/929	<b>AKZ90A, AKJ90A, AKW90A/92A</b>	W540 × H710 × D165
AKZA-OP-FR50	AKZA-OP-LF50A <sup>*4</sup>	5.0	AKJ1509	—	W725 × H1180 × D165

\*4. 1 set comprising 2 filters (Two filters are used per frame.)



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