


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...

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    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 ^{*2}

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. ^{*3}

No need to clean cooling fins ^{*2}

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>

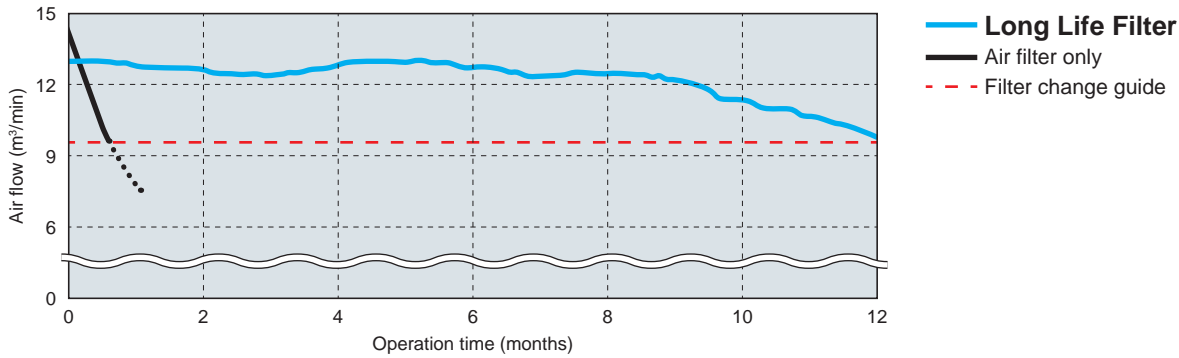


Scan the QR code right away!

*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/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 based on our operation model.

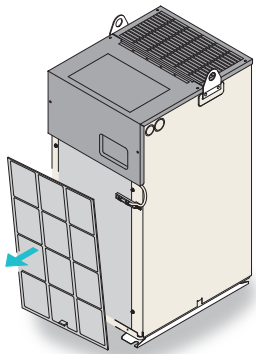
Clogging comparison

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

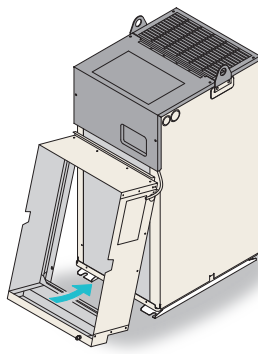


How to install and handle Long Life Filters

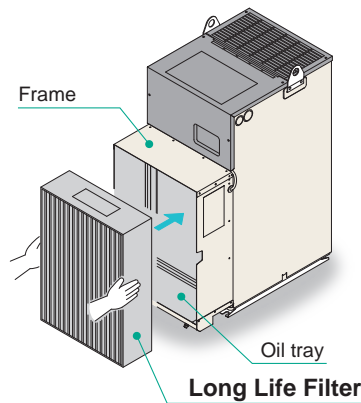
1 Remove the air filter.



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	—	AKZ14A, AKJ18A, AKW14A/18A	W365 × H395 × D165
AKZA-OP-FR12	AKZA-OP-LF12A	1.2	—	AKZ32A, AKJ35A, AKW32A/35A	W365 × H520 × D165
AKZA-OP-FR15	AKZA-OP-LF15A	1.5	—	AKZ43A, AKJ45A, AKW43A/45A	W365 × H620 × D165
AKZA-OP-FR20	AKZA-OP-LF20A	2.0	AKZ569, AKJ569, AKC569, AKW569/589	AKZ56A, AKJ56A, AKW56A/58A	W470 × H620 × D165
AKZA-OP-FR30	AKZA-OP-LF30A ^{*4}	3.0	AKZ909, AKJ909, AKW909/929	AKZ90A, AKJ90A, AKW90A/92A	W540 × H710 × D165
AKZA-OP-FR50	AKZA-OP-LF50A ^{*4}	5.0	AKJ1509	—	W725 × H1180 × D165

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

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