

<Caution> Optional Clamp Stays and/or Magnet Stays are required to install this product. (Unable to fix it without those fittings)

This product can be installed by using either Clamp Stay or Magnet Stay only or by using both of Clamp Stay and Magnet Stay..

■ Clamp Stay (Option)



■ Magnet Stay (Option)



Model	OKF-CS320-01	OKF-CS430-01	OKF-CS520-01	OKF-MS01
To use with	OKF-AOC320-AW	OKF-AOC430-AW	OKF-AOC520-AW	OKF-AOC320-AW, OKF-AOC430-AW, OKF-AOC520-AW
Fixation method	By clamping			By magnet
Fixation of the Cases	Screw fixing with 4 M4 screws			Screw fixing with 2 M4 screws
Color	Black			Black
Weight	1.0kg			0.3kg (2pcs/set)
Accessories	2 pcs. of Wing bolt M5×65, 2 pcs. of Square nut M5			2 pcs. of Wing bolt M5×30, 2 pcs. of Square nut M5
Min. order q'ty	1 pc.			2 pcs/set

■ Combination of fitting tools

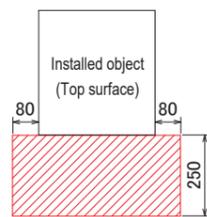
Choose the winding direction, fixing tools and layout from the followings that suit your oil chiller's shape and installation space.

Pay attention to obstacles. ※Other combinations not listed herein are invalid.

Fixing tools	Vertical arrangement	Horizontal arrangement
 Clamp Stay OKF-CS***-01	1 Clamp Stay Winding Case Clamp Stay	2 Clamp Stay Winding Case Clamp Stay
 Magnet Stay OKF-MS01	3 Upside Magnet Stay Winding Case Downside Magnet Stay	4 Magnet Stay Winding Case Magnet Stay
 Magnet Stay OKF-MS01 + Clamp Stay OKF-CS***-01	5 Upside Magnet Stay Winding Case Downside Clamp Stay	6 Magnet Stay Winding Case Clamp Stay
 Magnet Stay OKF-MS01 + Clamp Stay OKF-CS***-01	7 Upside Magnet Stay Winding Case Downside Clamp Stay	8 Magnet Stay Winding Case Clamp Stay

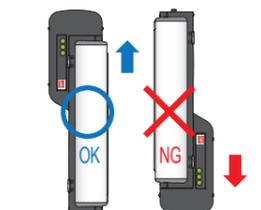
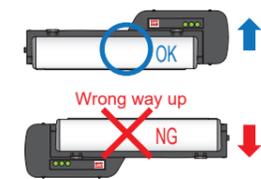
■ Installation space

<Top view>



■ No obstacles within the shaded area

■ Orient the Winding Case



× Examples illustrated as NG can lead to product failure by allowing oil to enter into the Winding Case in oily environments.

Note: Both of the Winding Case and the Filter Case require respective stays. Please make the number of stays when purchasing.

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- The contents of this catalog are subject to change for product improvement without notice.
 - The actual color of the product may differ slightly from the pictures shown.

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SELF-WINDING FILTER

KURUKURU Filter

For Stable and energy-saving operation of the equipment



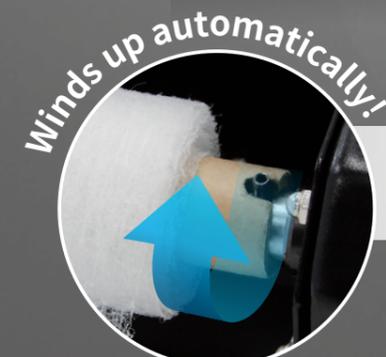
**No filter maintenance
up to 2 years**



for Coolers



for Oil chillers



KURUKURU Filter keeps filter always clean and eliminates time and trouble for filter maintenance



Suitable for an wide array of applications like control panels or oil chillers

OHM ELECTRIC CO., LTD.

Clear case allows to see the rest of filter at a glance

RoHS2



A complete set of supply

Roll filter 1 pc., AA Alkaline battery 2 pcs., M4 screw 4 pcs., Warning label 1 pc., Set value reference label 1 pc., Instruction manual 1 copy

● Renewed Winding Case



Eliminated interference of rolled-up filter with the Winding Case

● Fixedness



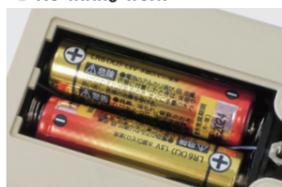
Firmly fixed with 4 magnets against machine vibrations or other stresses

● Increased winding torque



Powered-up torque assures stable performance

● No wiring work



Battery used. Ready to use without troublesome wiring works.

Model/Specifications

Model	OKF-A160-BT	OKF-A350-BT
Filter width	160mm	350mm
Filter length	2400mm	
Collection rate *1	35%	
Initial pressure drop *2	9.8Pa	
Power supply	AA-sized alkaline battery (LR6) 2 pcs or External power supply DC3.3V	
Days to wind up	Max. 720 days (Default : 180 days)	
Battery life *3	Approx. 2 years	
Connection to power supply	DC jack EDCIAJ-2	
Mounting method	By magnets or screwing	
Filter incombustibility	JIS L1091 A-1, class 3	
Working temperature	0 to 50°C	
Working humidity	Max. 80%RH, free from condensation	
Function	Winding length setting, Filter replacement/ Winding error/ Battery replacement warnings	
Conformity/Environment	RoHS2	
Color	Winding case : Beige/Black Filter case : Clear	
Weight	0.6kg	0.85kg

*1: By weighing method (Test powder JIS Z8901 type 15, dust density 1.0 g/min) *2: at wind speed of 2.0 m/sec
*3: Battery life varies depending on ambient temperature, winding intervals, battery's performance and other conditions. This shows an average value for a new battery and does not mean that we guarantee it.

Filter specifications

Flame resistance: Class 3 by A-1 method, JIS L1091 (Flammability test method for fiber products)

Class	After heating for 1 minute				At 3 seconds after ignition		
	Burned area (cm ²)	Afterflame time (s)	Afterflame + Afterglow time (s)	Char length (cm)	Burned area (cm ²)	Afterflame time (s)	Afterflame + Afterglow time (s)
3	Less than 30	Less than 3	Less than 5	Less than 20	Less than 30	Less than 3	Less than 5

Filter winding length

Filter winding length can be set in 9 different levels as desired.

Set value	Winding length/day *	Days to complete winding
1	3.3mm	720 days (approx. 2 yrs)
2	4.4mm	540 days (approx. 1.5 yrs)
3	6.7mm	360 days (approx. 1 yr)
4	8.9mm	270 days (approx. 9 mos)
5	13.3mm	180 days (approx. 6 mos)
6	20.0mm	120 days (approx. 4 mos)
7	26.7mm	90 days (approx. 3 mos)
8	40.0mm	60 days (approx. 2 mos)
9	80.0mm	30 days (approx. 1 mo)

* Filter rotates several times a day to wind up the set length.

Consumable parts

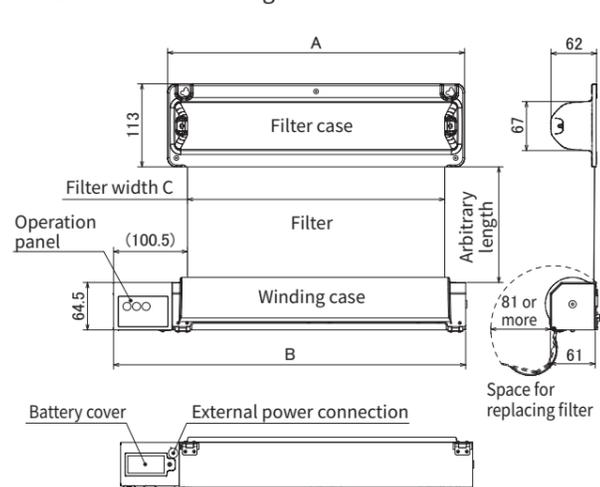
Replacement filter

Part No.	Applicable product	Purchase unit
OKF-F160	OKF-A160-BT	1 pc.
OKF-F350	OKF-A350-BT	

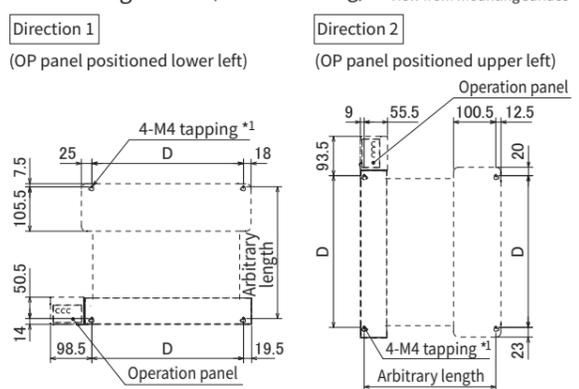
AC adapter

Part No.	Specifications	Purchase unit
OKF-SW01	Input 100 to 240VAC Output 3.3VDC DC jack EIAJ-2	1 pc.

Dimensional drawing



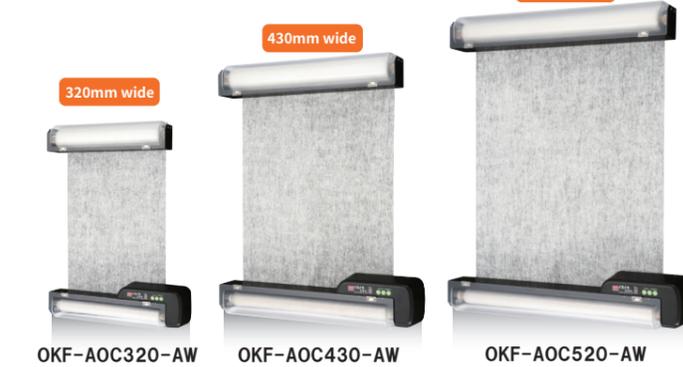
Mounting cutout (for screw fixing) <View from mounting surface>



*1 φ5 is also acceptable if fixed with a nut from inside of the mounting surface.

Model	A	B	C	D
OKF-A160-BT	214	289	160	171
OKF-A350-BT	404	479	350	361

Flexibly adaptable to different shape of oil chillers or space limitations



A complete set of supply

Roll filter 1 pc., M4 screw 8 pcs., Aluminum pipe for Filter Guide : 2 pcs., Warning label 1 pc., Set value reference label 1 pc., Filter replacement instructions label : 1 pc., Instruction manual 1 copy

● User-selectable mounting



Different mounting styles available by the two different stays

● Filter performance



Assures good trapping performance and air permeability.

● Wide input voltage



Accepts wide input voltage range from 100 to 240 VAC

● Compact design



Designed compact to fit oil chillers

Model/Specifications

Model	OKF-AOC320-AW	OKF-AOC430-AW	OKF-AOC520-AW
Filter width	320mm	430mm	520mm
Filter length	4500mm		
Collection rate *1	35%		
Initial pressure drop *1	8.1Pa		
Rated voltage	Single phase, 100-240 VAC		
Rated current consump.	0.05A (AC100V) / 0.035A (AC240V)		
Rated power consump.	2.5W		
Mounting method	Fitting by Clamp Stay/Magnet Stay		
Filter incombustibility	JACA No.11A-2003 Class 3		
Working temperature	0 to +50°C		
Working humidity	Max. 80%RH, free from condensation		
Function	Winding length setting, Filter replacement/Winding error/Winding overload warnings		
Power connection	3-core power cable, 2 m (0.75 sq mm conductor), Finished outer dia. 7.3 mm		
Fuse	Cartridge glass tube fuse, normal blowout B-type, φ5.2 x 20 mm 250V 2A		
Conformity/Environment	-		
Color	Black		
Weight	1.4kg	1.6kg	1.8kg

*1 : Conforming to JIS9908 Type 3 (weighing method) at wind speed of 2.0 m/sec *2 : Test powder JIS Z8901 type 15

Filter specifications

Flame resistance: Class 3 by JACA No.11A-2003 (Flammability test method for air purifier filters)

Class	Afterflame time (s)	Afterglow time of all test specimens (s)	Ignition of marking cotton by melting droplets	Combustion distance of all test specimens Ld (mm)
3	2s or less for 4/5 (≤2s) 10s or less for 1/5 (≤10s)	30s or less (≤30s)	None	35mm or less (≤35)

Filter winding length

Filter winding length can be set in 9 different levels as desired.

Set value	Winding length/day *	Days to complete winding
1	5.5mm	720 days (approx. 2 yrs)
2	7.0mm	540 days (approx. 1.5 yrs)
3	10.5mm	360 days (approx. 1 yr)
4	14.0mm	270 days (approx. 9 mos)
5	21.0mm	180 days (approx. 6 mos)
6	31.5mm	120 days (approx. 4 mos)
7	42.5mm	90 days (approx. 3 mos)
8	63.5mm	60 days (approx. 2 mos)
9	127.0mm	30 days (approx. 1 mo)

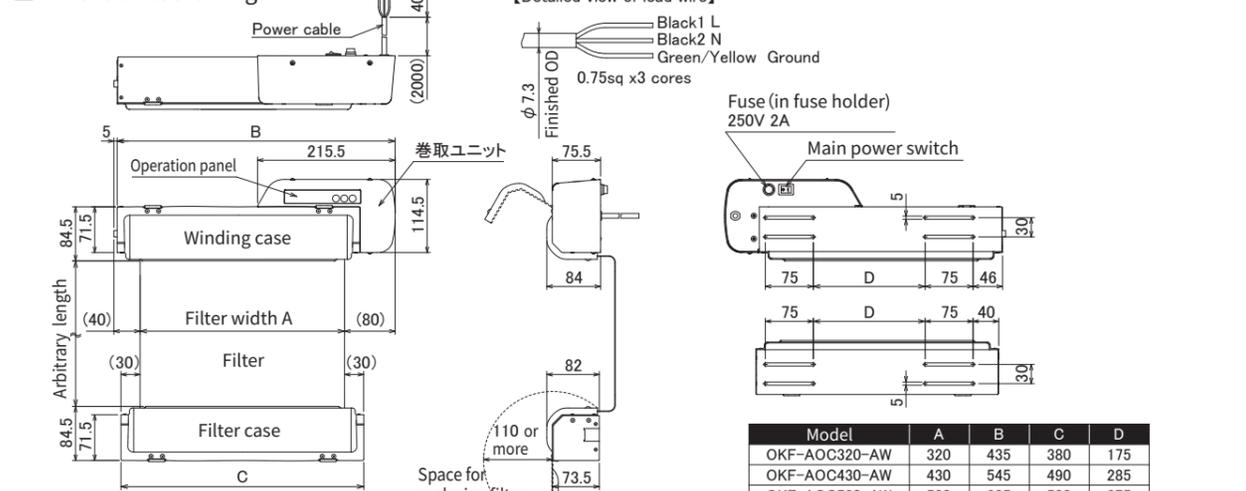
* Filter rotates several times a day to wind up the set length.

Consumable parts

Replacement filter

Part No.	Applicable product	Purchase unit
OKF-F320-OC	OKF-AOC320-AW	1 pc.
OKF-F430-OC	OKF-AOC430-AW	
OKF-F520-OC	OKF-AOC520-AW	

Dimensional drawing



Model	A	B	C	D
OKF-AOC320-AW	320	435	380	175
OKF-AOC430-AW	430	545	490	285
OKF-AOC520-AW	520	635	580	375