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KAKU Electric Equipment



kaku.

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全新理念
通風過濾網系列
VENTILATOR FILTER UNIT

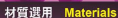
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DESCRIPTION OF VENTILATOR FILTER UNIT



Material&Certification description

- 材料:** ABS、通用道康涂层
適用於: A系列內水缸蓋面, B系列列管, C2系列外殼及水箱蓋面
Certification : UV94/V-0, RoHS
- Material:** ABS, vacuum coating
Apply to: A types cover & bottom, B type's bottom, C1 types cover & air vent, C2 type's air vent
Certification : UV94/V-0, RoHS
- 材料:** 鋁合金PCB板UV 應用道康塗層
適用於: B系列水箱前蓋面, C2系列水箱後蓋面
Certification : UV94/V-0, RoHS, REACH
- Material:**waterear resistance PCB Air Vent : scope of temperature: -20°C~+120°C
Apply to: B type's ram hood & cover, C2 type's ram hood & cover
Certification : UV94/V-0, RoHS, REACH
- 材料:** ADAC12混合聚醚材料 通用道康塗層
適用於: UV9803PGVU9804組合型特種漆, 燒漆漆面溫度處理 ;可耐極高溫度 EMC符合
RoHS標準 ! 認證 :-50°C , EMC , REACH
- Material:**AD12 aluminum alloy material, scope of temperature: -50°C~+600°C
Apply to: custom type for model UV9803PGVU9804, surface spraying and coating processing treatment which can be used under ultra-high temperature conditions!
Certification : -50°C type for REACH
- 材料:** 鋁合金全密封材料 通用道康塗層
適用於: 特殊環境下使用的通風排氣口, 防止空氣污染, 具有隔熱及電子屏蔽功能, 適用於加工車房。
均勻的三維垂直紋路提供優美的外觀效果。耐刮擦耐腐蝕, 是最佳的防銹防腐材料。
- Material:**Fe-Ni alloy foaming material, scope of temperature: -50°C~+1100°C
The material for corrosion protection, anti-permeable and very light, has good acoustic absorption, insulation, and electronic wave shielding. The material is easy to process again and very environmental! The uniform 3D mesh structure has excellent filtration. The material is high temperature resistance, acid and alkali-resistance. It is a very good high temperature resistance filter material.
- 以上所有產品均附有一張英文說明書
All above materials have one English manual for customers' special needs



- 多種優質型材質 (ABS, 耐性

- 用, 添加了阻燃及抗紫外線材料, 這網材質選用優質尼龍纖維合成樹脂, 并可選配纖維合金發泡材質, 除運高高達AFI80% (AFI=JAPAN AIRFILTER INSTITUTE), 可反覆清洗使用。
- Different good quality material made of non-flammable ABS, weather resistance PC with UV-resistant plus imported Nylon fiber synthetic make sue AFI up to 80%.

設計精湛 Special design

- 外型按專案設計、多規格規格按客戶選擇。全新設計理念，密封性一體化泡池處理達到最佳空氣流量及防腐防水效果。全金屬系列新結構適合全發售材料直銷，適用於各種濕潤環境附加EMC電子屏蔽功能。同時採用硅膠一體成形密封條，提升耐腐等症。
- New designed filter can match multiple fan specification. Integrated forming processing sealing strip design increase the sealing effect. Metal material filter apply to ultimate environment with EMC function.

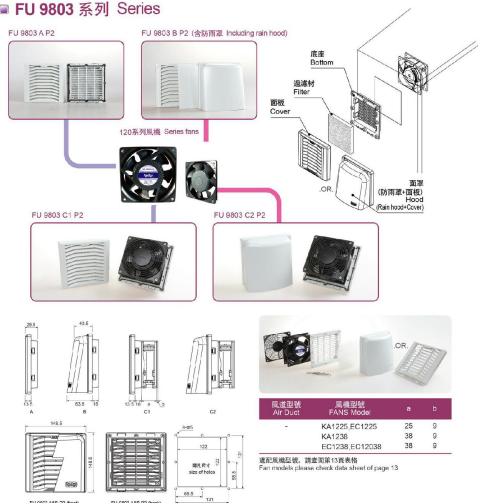
配置靈活 Flexible assemble

- 全新濾網延續之前經典底部螺絲結構設計，加入風速及多規格濾網組合，客戶可根據風量要求搭配不同型號風機使用，使得通風過濾效能得以提升。
- New designed filter continue using classis design for embedded nut on bottom, with air vent and different sizes of rain hood. Customer can choose different fans match filters according to air flow to upgrade the ventilation efficiency.

使用效能 Efficiency

- 全新設計搭配靜壓型EC風機，可有效確保控制器及精密零件之有效散熱，延長使用壽命，降低故障率。
New filter units equipped with EC high efficiency fan which can assure the heat radiation of controllers and precision components, increase the life and reduce the failure rate.

■ FU 9803 系列 Series

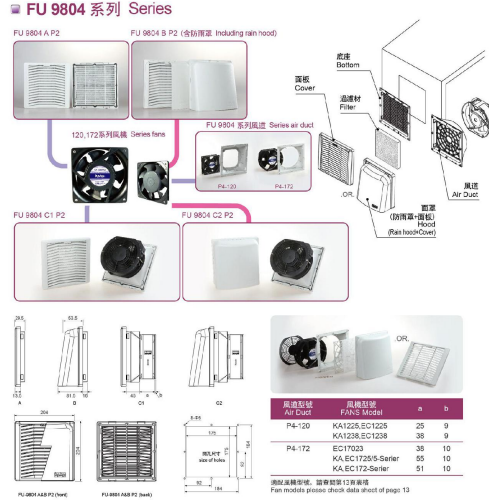


參數表 Specification

型號	包裝數量	材質	Material	耐溫溫度	防護等級
Model	Package quantity	Material	Material	Temperature tolerance	Protection Grade
FU 9803 A P2	20 P/Box	ABS	ABS	-10~55°C	IP44
FU 9803 B P2	10 P/Box	PC+UV	ABS	-10~55°C	IP55
FU 9803 C1 P2	1 P/Box	ABS	ABS	-10~55°C	IP44
FU 9803 C2 P2	1 P/Box	PC+UV	ABS	-10~55°C	IP55

注：C1/C2為風扇與底座直接連接方式，C1/C2, fan and base connected directly

■ FU 9804 系列 Series

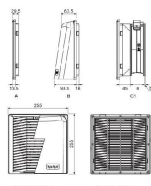
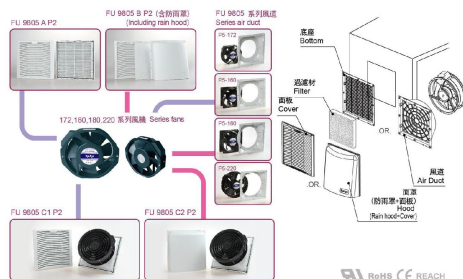


參數表 Specification

型號	包裝數量	材質	Material	耐溫溫度	防護等級
Model	Package quantity	Material	Material	Temperature tolerance	Protection Grade
FU 9804 A P2	20 P/Box	ABS	ABS	-10~55°C	IP44
FU 9804 B P2	10 P/Box	PC+UV	ABS	-10~55°C	IP55
FU 9804 C1 P2	1 P/Box	ABS	ABS	-10~55°C	IP44
FU 9804 C2 P2	1 P/Box	PC+UV	ABS	-10~55°C	IP55

注：C1/C2為風扇與底座直接連接方式，C1/C2, fan and base connected directly

FU 9805 系列 Series



風道型號 Air Duct	風機型號 FANS Model	a	b
F5-172	EC17023	38	10
	KA,EC1725/S-Series	55	10
	KA,EC172-Series	51	10
F5-160	KA1806	60	10
P5-180	KA1806,EC1806	65	11
P5-220	KA2206,EC2206	80	13
	KA2208,EC2208	80	13

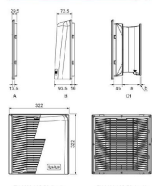
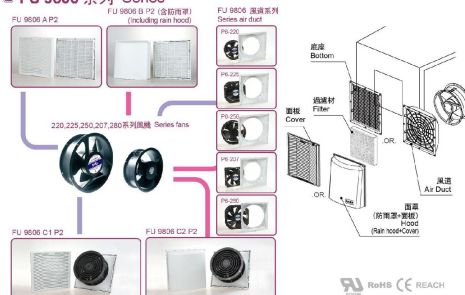
Fan models please check data sheet of page 12

參數表 Specification

型號 Model	包裝數 Package quantity	顏色 Color	底面 Bottom	材料 Material	底面顏色 Base color	厚度 Jct. Ht.	塗層 Coating	耐溫溫度 Temperature tolerance	保護等級 Protection Grade
FU 3805 A P2	20 PC/Box	- ABS	ABS	-	-	Nylon	PU	-10~55°C	IP44
FU 3805 B P2	10 PC/Box	PC+UV	PC+UV	ABS	-	-	-	-10~55°C	IP55
FU 3805 C1 P2	1 PC/Box	- ABS	- ABS	ABS	ABS	Nylon	PU	-10~55°C	IP44
FU 3805 C2 P2	1 PC/Box	PC+UV	PC+UV	- ABS	ABS	Nylon	PU	-10~55°C	IP55

注: C1&C2 為風機與標準網箱直接方式 C1& C2, fan and filters connected directly

 FU 9806 系列 Series



風道型號 Air Duct	風機型號 FANS Model	a	b
P6-220	KA2206,EC2206	60	13
	KA2208,EC2208	80	13
P6-225	EC2258	80	14
P6-250	KA2506,EC2509	89	13
P6-267	KA2072,EC2072	72	9
P6-280	EC2880	80	14

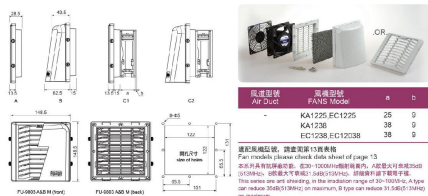
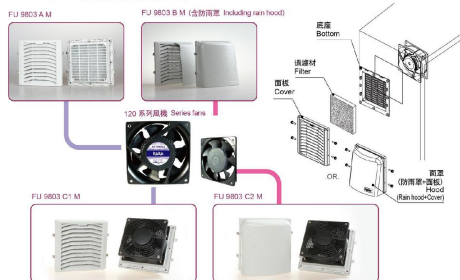
Fan models please check data sheet of page 12

參數表 Specification

型號 Model	包裝數 Package quantity	新貨箱 New hood	箱蓋 Cover	溫度 溫度 Temperature	顏色 顏色 Color	氣密 Air tight	密封 Seal	密封 Sealing ring	耐溫溫度 Temperature tolerance	保護等級 Protection Grade
FU 9606 A P2	10 PC/Box	-	PC+UV	PC+UV	-	-	Nylon	FU	-10~65°C	IP44
FU 9606 B P2	5 PC/Box	PC+UV	PC+UV	PC+UV	-	-	Nylon	FU	-10~55°C	IP55
FU 9606 C1 P2	1 PC/Box	-	ABS	-	ABS	ABS	Nylon	FU	-10~55°C	IP44
FU 9606 C2 P2	1 PC/Box	PC+UV	PC+UV	-	ABS	ABS	Nylon	FU	-10~55°C	IP55

注: C1&C2為兩機保護線網結直結方式 C1& C2, fan and filters connected directly

FU 9803 全金屬材質系列 All metal material series

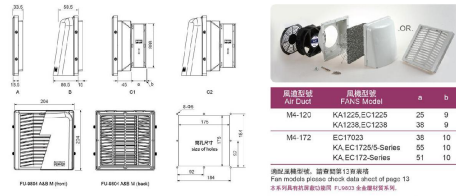


參數表 Specification

型號 Model	包裝規格 Packaging Quantity	風扇罩 Fan hood	濾網 Filter	材料 Material	溫度 Temperature	保護等級 Protection Grade
FU 9803 A M	20 PC/Box	-	ADC12	ADC12	-	-
FU 9803 B M	10 PC/Box	ADC12	ADC12	ADC12	-	-
FU 9803 C1 M	1 PC/Box	ADC12	ADC12	ADC12	-	-
FU 9803 C2 M	1 PC/Box	ADC12	ADC12	ADC12	-	-

註：C1/C2 為無風扇直插式，* 選購含風扇材料其溫度等級時，也可選配直插式濾網。
C1/C2, fan and then connected directly. * Fan/N alloy fanring material is standard filter media, other filter media is optional.

FU 9804 全金屬材質系列 All metal material series



參數表 Specification

型號 Model	包裝規格 Packaging Quantity	風扇罩 Fan hood	濾網 Filter	材料 Material	溫度 Temperature	保護等級 Protection Grade
FU 9804 A M	20 PC/Box	-	ADC12	ADC12	-	-
FU 9804 B M	10 PC/Box	ADC12	ADC12	ADC12	-	-
FU 9804 C1 M	1 PC/Box	ADC12	ADC12	ADC12	-	-
FU 9804 C2 M	1 PC/Box	ADC12	ADC12	ADC12	-	-

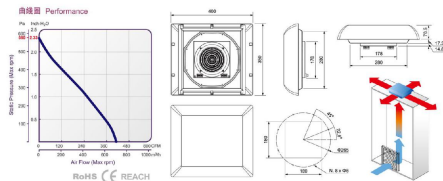
註：C1/C2 為無風扇直插式，* 選購含風扇材料其溫度等級時，也可選配直插式濾網。
C1/C2, fan and then connected directly. * Fan/N alloy fanring material is standard filter media, other filter media is optional.

■ 盤用天井式散熱裝置 Roof Mount Ventilating Filter

RF-190



特性	Features	單位	Unit	RF-EC190
風機風量	Fan air flow rate	m³/h (CFM)		733 (413)
風機靜止風量	Fan + Tower air flow rate	m³/h (CFM)		832 (371)
额定电压	Rated voltage	V		24VDC 148VDC 110VDC 118VAC 220VAC
额定参数	温度 Temperature	°C	<25 25 30 35 40 45 >50	
功率	Power	W	CF 8 35 50 65 80 90	
转速	Rotated speed	rpm	CF 1180 2250 2500 2650 3000 3180	
外形尺寸	Dimensions H x W x D	mm		400 x 350 x 116
保護方式	Over current protection	-		By IC
電氣連接方式	Electrical connection	-		Terminal
運轉模式	Duty cycle	-		100%
特殊功能 (選配)	Specific function (optional)	-		FORDPMM 0-10VDC
工作溫度	Operating temperature	°C		20~80
防護等級	Protection grade	-		IP44
噪音量	Noise level	dBA		52~78
RF190-4FU8006	RF190-4FU8006 capacity	m³/h (CFM)		581 (341)
空氣流向	Direction of the air flow	-		Reverse → outside
軸流系統	Bearing system	-		Seawater
警報輸出 (選配)	Alarm output (optional)	-		>60°C (溫度輸出 (選配))
材料	Material	-		Mg
產品重量 / 毛重	Weight (N.W. / G.W.)	Kg		4.2 / 4.8
包裝尺寸	Package dimensions HxWxD	mm		450 x 405 x 136
表面處理	Coatting	-		C2
顏色	Colour	-		RAL7035

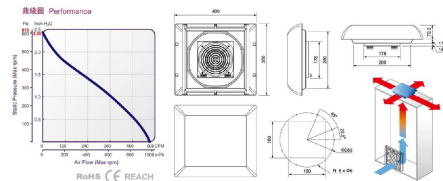


■ 盤用天井式散熱裝置 Roof Mount Ventilating Filter

RF-220



特性	Features	單位	Unit	RF-EC220
風機風量	Fan air flow rate	m³/h (CFM)		972 (512)
風機靜止風量	Fan + Tower air flow rate	m³/h (CFM)		1071 (514)
额定电压	Rated voltage	V		24VDC 148VDC 110VDC 118VAC 220VAC
额定参数	温度 Temperature	°C	<25 25 30 35 40 45 >50	
功率	Power	W	CF 9 42 47 70 88 102	
转速	Rotated speed	rpm	CF 1050 2170 2420 2600 2800 2960	
外形尺寸	Dimensions H x W x D	mm		400 x 350 x 116
保護方式	Over current protection	-		By IC
電氣連接方式	Electrical connection	-		Terminal
運轉模式	Duty cycle	-		100%
特殊功能 (選配)	Specific function (optional)	-		FORDPMM 0-10VDC
工作溫度	Operating temperature	°C		20~80
防護等級	Protection grade	-		IP44
噪音量	Noise level	dBA		52~79
RF190-4FU8006	RF190-4FU8006 capacity	m³/h (CFM)		804 (472)
空氣流向	Direction of the air flow	-		Reverse → outside
軸流系統	Bearing system	-		Seawater
警報輸出 (選配)	Alarm output (optional)	-		>60°C (溫度輸出 (選配))
材料	Material	-		Mg
產品重量 / 毛重	Weight (N.W. / G.W.)	Kg		4.5 / 5.5
包裝尺寸	Package dimensions HxWxD	mm		450 x 405 x 136
表面處理	Coatting	-		C2
顏色	Colour	-		RAL7035



通風網家族全新登場
A fresh start on filter family



通風過濾網與風機規格一覽 Specification of the Ventilator Filter Unit & Cooling Fan

型號 Model	外觀尺寸 Size mm	有效風量 Air Flow m³/min	最大風速 Air Speed m/s	靜壓率 Dust Resistance Pa/m³	壓降損耗 Pressure Loss Pa/m³	使用範圍 Usage Area	重量 Weight g	防護等級 Protection Grade
FU 9801 A P2	109*109*29.5	10.0	2.0	80	2.5~20	Indoor-10-55℃	86	IP44
FU 9801 B P2	109*109*44.5	-	1.5	-	-	outdoor-10-55℃	128	IP55
FU 9801 C1 P2	109*109*29.5	-	2.0	-	-	Indoor-10-55℃	86	IP44
FU 9801 C2 P2	109*109*44.5	-	1.5	-	-	outdoor-10-55℃	*128	IP55
FU 9802 A P2	121*121*29.5	16.0	2.0	80	2.5~20	Indoor-10-55℃	103	IP44
FU 9802 B P2	121*121*49.5	-	1.5	-	-	outdoor-10-55℃	156	IP55
FU 9802 C1 P2	121*121*29.5	-	2.0	-	-	Indoor-10-55℃	*103	IP44
FU 9802 C2 P2	121*121*49.5	-	1.5	-	-	outdoor-10-55℃	*156	IP55
FU 9803 A P2	148.5*148.5*29.5	25.0	2.0	80	6.7~20	Indoor-10-55℃	130	IP44
FU 9803 B P2	148.5*148.5*79.5	-	1.5	-	-	outdoor-10-55℃	230	IP55
FU 9803 C1 P2	148.5*148.5*29.5	-	2.0	-	-	Indoor-10-55℃	*130	IP44
FU 9803 C2 P2	148.5*148.5*79.5	-	1.5	-	-	outdoor-10-55℃	*230	IP55
FU 9803 A M	148.5*148.5*28.5	25.0	2.0	80	6.7~20	Indoor-50-200℃	386	IP44
FU 9803 B M	148.5*148.5*77.5	-	1.5	-	-	outdoor-50-200℃	606	IP55
FU 9803 C1 M	148.5*148.5*28.5	-	2.0	-	-	Indoor-50-200℃	*386	IP44
FU 9803 C2 M	148.5*148.5*77.5	-	1.5	-	-	outdoor-50-200℃	*606	IP55
FU 9804 A P2	204*204*29.5	50.0	2.0	80	6.7~20	Indoor-10-55℃	220	IP44
FU 9804 B P2	204*204*47.5	-	1.5	-	-	outdoor-10-55℃	386	IP55
FU 9804 C1 P2	204*204*29.5	-	2.0	-	-	Indoor-10-55℃	*220	IP44
FU 9804 C2 P2	204*204*47.5	-	1.5	-	-	outdoor-10-55℃	*386	IP55
FU 9804 A M	204*204*28.5	50.0	2.0	80	6.7~20	Indoor-50-200℃	830	IP44
FU 9804 B M	204*204*101.5	-	1.5	-	-	outdoor-50-200℃	1240	IP55
FU 9804 C1 M	204*204*28.5	-	2.0	-	-	Indoor-50-200℃	*830	IP44
FU 9804 C2 M	204*204*101.5	-	1.5	-	-	outdoor-50-200℃	*1240	IP55
FU 9805 A P2	255*255*29.5	80.0	2.0	80	6.7~40	Indoor-10-55℃	360	IP44
FU 9805 B P2	255*255*109.5	-	1.5	-	-	outdoor-10-55℃	620	IP55
FU 9805 C1 P2	255*255*29.5	-	2.0	-	-	Indoor-10-55℃	*360	IP44
FU 9805 C2 P2	255*255*109.5	-	1.5	-	-	outdoor-10-55℃	*620	IP55
FU 9806 A P2	322*322*29.5	120.0	2.0	80	6.7~40	Indoor-10-55℃	545	IP44
FU 9806 B P2	322*322*109.5	-	1.5	-	-	outdoor-10-55℃	950	IP55
FU 9806 C1 P2	322*322*29.5	-	2.0	-	-	Indoor-10-55℃	*545	IP44
FU 9806 C2 P2	322*322*109.5	-	1.5	-	-	outdoor-10-55℃	*950	IP55

*註明C1/C2標註表示尺寸並不包含風扇之重量 **C1 & C2 weight does not contain the weight of the fans

通風機與通風過濾網組合表 Specification of the Fans with the Ventilator Filter Unit

型號 Model	風扇 Air Duct	可搭配的風機 FANS
FU 9801 C1 & C2	直接與風扇 Connect with fan directly	80- Series fan KA8025,KA8038,EC8025
FU 9802 C1 & C2	直接與風扇 Connect with fan directly	80- Series fan KA8025,KA8038,EC8025
FU 9803 C1 & C2	直接與風扇 Connect with fan directly	120- Series fan KA1225,KA1238,EC1225,EC1238,EC12038
FU 9803 C1 & C2 M	直接與風扇 Connect with fan directly	120- Series fan KA1225,KA1238,EC1225,EC1238,EC12038
FU 9804 C1 & C2	P4-120 P4-172	120- Series fan KA1225,KA1238,EC1225,EC1238,EC12038 172- Series fan KA1725,KA17025,KA17023,KA1725S,KA1725S/B,KA1725S/C,EC1725,EC17023,EC1725S,EC1725S/B,EC1725S/C
FU 9804 C1 & C2 M	M4-120 M4-172	120- Series fan KA1225,KA1238,EC1225,EC1238,EC12038 172- Series fan KA1725,KA17025,KA17023,KA1725S,KA1725S/B,KA1725S/C,EC1725,EC17023,EC1725S,EC1725S/B,EC1725S/C
FU 9805 C1 & C2	P5-172 P5-150 P5-150 P5-220	172- Series fan KA1725,KA17025,KA17023,KA1725S,KA1725S/B,KA1725S/C,EC1725,EC17023,EC1725S,EC1725S/B,EC1725S/C 172- Series fan KA1806 180- Series fan KA1806,EC1806 220- Series fan KA2206,KA2208,EC2206,EC2208
FU 9806 C1 & C2	P6-220 P6-225 P6-250 P6-207 P6-280	220- Series fan KA2206,KA2208,EC2206,EC2208 225- Series fan EC2258 250- Series fan KA2509,EC2509 207- Series fan KA2072,EC2072 280- Series fan EC2880

風機型號說明 Description of Axial AC Fan Code

