

Commercial ESP for kitchen 2022



ABOUT US

DAISEKU has been working for long time on industry fume extractor, air cleaner and air conditioner. We currently sell our products to many different countries. Our company's ambition is to become the best in this sector and widen our borders.

OUR WILL

To become the global leader of air purification system suppliers.



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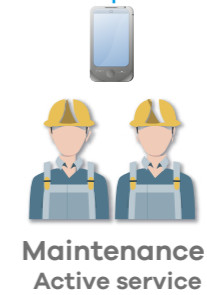
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DAISEKU
CLOUD TECHNOLOGY



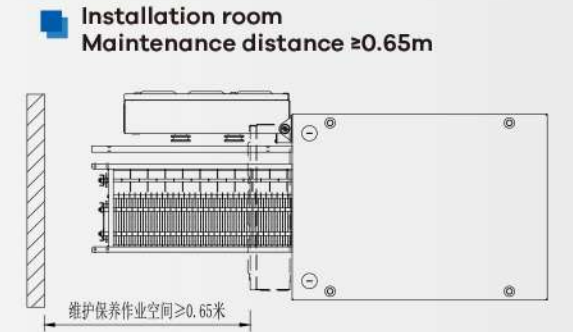
DAISEKU CLOUD TECHNOLOGY

Remote control
Modularized parts

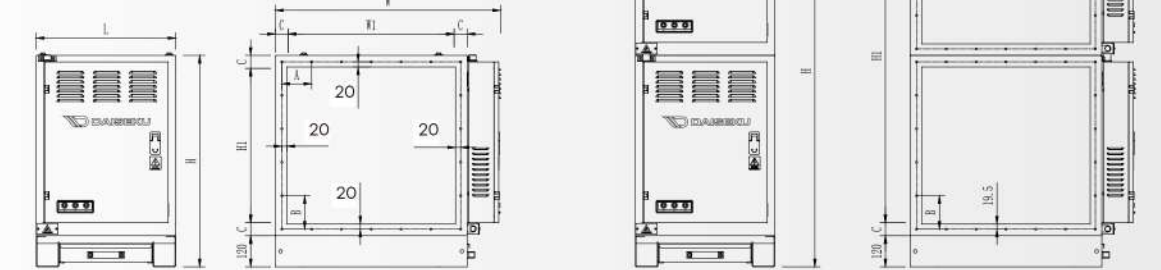


DAISEKU E2+ Series

ESP fume extractor RS485 Connector



Dimension



CZME2+ Series



Model	CZM30E2+	CZM40E2+	CZM50E2+	CZM60E2+	CZM80E2+	CZM100E2+	CZM120E2+	CZM160E2+	CZM200E2+	CZM240E2+
Voltage	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
Air flow (m ³ /h)	3000	4000	5000	6000	8000	10000	12000	16000	20000	24000
Efficiency	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
Pressure drop (Pa)	18	18	18	18	18	18	18	18	18	18
Power pack/ Cell quantity	1/1	1/1	1/1	1/2	1/2	1/2	1/3	2/4	2/4	2/6
Dimension (L×W×H mm)	538×650×815	538×825×815	538×875×815	538×1155×815	538×1500×815	538×1605×815	538×2180×815	538×1500×1510	538×1605×1510	538×2180×1510
Flange size W1×H1 mm)	426×606	600×606	650×606	930×606	1276×606	1380×606	1955×606	1276×1300	1380×1300	1955×1300
Hole distance (A/B/C mm)	116.3/129/45	127.6/129/45	115/129/45	121.3/129/45	131.6/129/45	142/129/45	133/129/45	131.6/129/45	142/129/45	133/129/45
Rated Power (w)	56	77	91	112	154	182	231	308	364	462
Machine weight (kg)	63	73	78	92	119	129	165	218	236	300

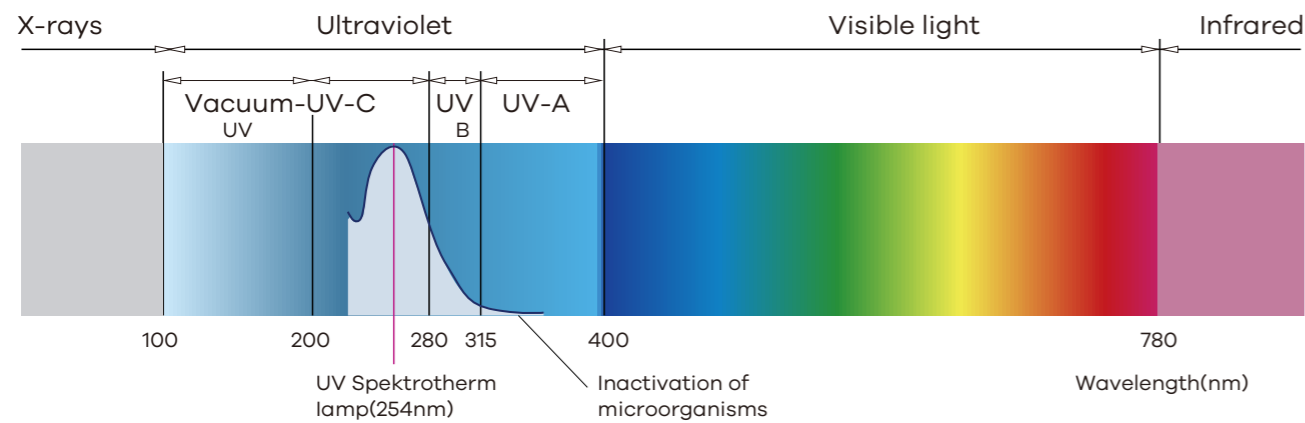
CZM UV Series

UV light equipment



Disinfection and deodorization

Wave length less than 200nm UV light can create O₃, UV and O₃ can remove the odor and Sterilization.

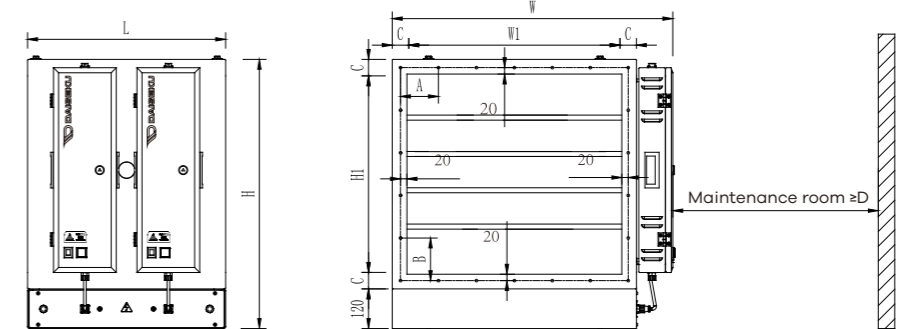


UV+Series description

This UV light use UV light with 2 wave length







The ESP in advance can remove the fume to make sure the UV light works in a safe condition. The 2 wave length light can remove the odor efficiently, The Draw-out design makes it easy to clean.

It's suggested to use fan coordinated control system to make sure the fan, ESP and UV on/off at the same time. The door has a safety button to make sure people doesn't get shined by UV when open the cabinet. The protection grade is IP54.









ESP + UV → UV+

CZM UV1 Series

CZM UV1												
	Model	CZM UV30-1	CZM UV40-1	CZM UV50-1	CZM UV60-1	CZM UV80-1	CZM UV100-1					
Voltage	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz					
Airflow (m ³ /h)	3000	4000	5000	6000	8000	10000						
Pressure drop (Pa)	4	4	4	4	4	4						
Power (w)	90	126	136	192	262	282						
Dimension (L×W×H mm)	348×630×815	348×805×815	348×857×815	348×1137×815	348×1483×815	348×1587×815						
Flange size (W1×H1 mm)	426×606	600×606	650×606	930×606	1276×606	1380×606						
Hole distance (A/B/C mm)	116.3/129/45	127.6/129/45	115/129/45	121.3/129/45	131.6/129/45	142/129/45						
Maintenance room D (mm)	530	680	760	1030	1380	1485						
Machine weight (kg)	62	68	121	85	100	106						

CZM UV2 Series

CZM UV2												
	Model	CZM UV30-2	CZM UV40-2	CZM UV50-2	CZM UV60-2	CZM UV80-2	CZM UV100-2					
Voltage	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz					
Airflow (m ³ /h)	3000	4000	5000	6000	8000	10000						
Pressure drop (Pa)	4	4	4	4	4	4						
Power (w)	180	252	272	384	524	564						
Dimension(L×W×H mm)	600×630×815	600×805×815	600×857×815	600×1137×815	600×1483×815	600×1587×815						
Flange size (W1×H1 mm)	426×606	600×606	650×606	930×606	1276×606	1380×606						
Hole distance (A/B/C mm)	116.3/129/45	127.6/129/45	115/129/45	121.3/129/45	131.6/129/45	142/129/45						
Maintenance room D (mm)	530	680	760	1030	1380	1485						
Machine weight (kg)	62	68	121	85	100	106						

CZM CB Series

Active carbon fume extractor



1、 The unique structure of the active carbon

Active carbon is a carbon material with lots of micro holes, big specific surface area and big adsorption capacity.

there could be 800-3000m²/g specific surface area. This makes the adsorption capacity strong.

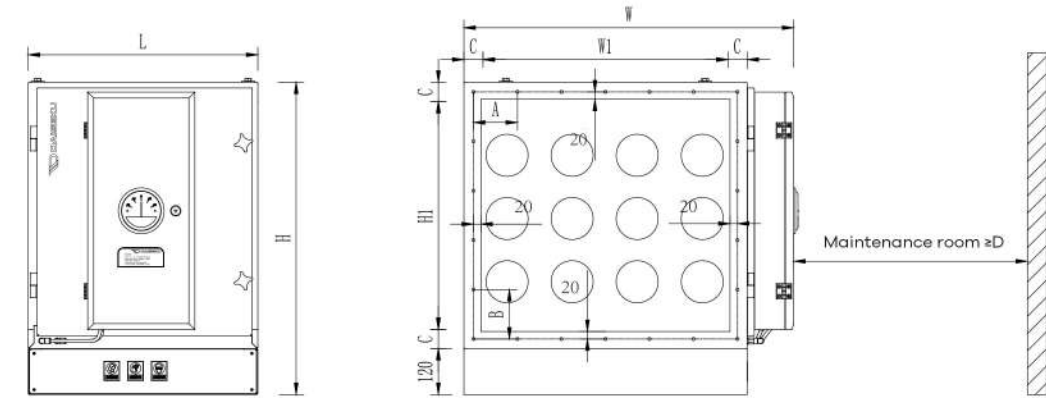
2、 Intermolecular forces

Intermolecular forces, Also called "van der waals force". Though the molecular movements are affected by the temperature and the material etc. The molecules have the force to attract each other, When a molecule is attracted into the hole of active carbon, It will attract more due to the force. Until the hole is filled.

3、 How much weight harmful substance can active carbon absorb?

Depend on the different material and functions, The holes inside the carbon will be different, Normally, coconut active charcoal with good quality can absorb same weight as itself.

This machine can be used for Hotels, Office buildings and many other traffic sites, It can remove the odor of barbecue, Hot pot if use together with ESP and UV series products.



CZM CB Series								
Model		CZM CB30	CZM CB40	CZM CB50	CZM CB60	CZM CB80	CZM CB100	CZM CB120
Odor removal	Airflow (m ³ /h)	3000	4000	5000	6000	8000	10000	12000
	Pressure drop (Pa)	158	158	158	158	158	158	158
Filter cartridge quantity		9	12	12	18	24	24	36
Dimension (L×W×H mm)		600x645x815	600x820x815	600x875x815	600x1155x815	600x1500x815	600x1605x815	600x2180x815
Flange size (W1×H1 mm)		426x606	600x606	650x606	930x606	1276x606	1380x606	1955x606
Hole size (A/B/C mm)		11.3/129/45	127.6/129/45	115/129/45	121.3/129/45	131.6/129/45	142/129/45	142/129/45
Maintenance room D (mm)		650	650	650	650	650	650	650
Machine weight (kg)		95	118	121	166	207	214	246

EXTENDED PRODUCT SERIES



This machine can be used for Hotels, Office buildings and many other traffic sites, It can remove the odor of barbecue, Hot pot if use together with ESP and UV series products.



Extend airflow



Standard ESP model



Vertical 2 sets, Double airflow



Vertical 3 sets, triple airflow

Extend efficiency



Standard ESP purification 1 class



Standard ESP purification 2 classes



Horizontal combination purification 3 classes

Extend odor control



Standard ESP model



Standard ESP model + UV



Standard ESP model + UV + CB

All-in-one machine



Parameter

1	Mdel	DAISEKU 80	DAISEKU 120	DAISEKU 150	DAISEKU 200	DAISEKU 250	DAISEKU 300	DAISEKU 400
2	Components	ESP+Fan	ESP+Fan	ESP+Fan	ESP+Fan	ESP+Fan	ESP+Fan	ESP+Fan
3	Voltage	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
4	Airflow CMH	8000	12000	15000	20000	25000	30000	40000
5	Efficiency	≥85%	≥85%	≥85%	≥85%	≥85%	≥85%	≥85%
6	Pressure drop (Pa)	65	65	65	65	65	65	65
7	Inlet concentration (mg/m³)	10	10	10	10	10	10	10
8	Outlet concentration (mg/m³)	<2	<2	<2	<2	<2	<2	<2
9	ESP Power (w)	93	127	150	255	255	301	382
10	Power supply/ Cell qantity	1/2	1/2	1/2	2/4	2/4	2/4	2/6
11	Pressure drop (Pa)	Depends						
12	Dimension (LxWxH mm)	2330X1210X1170	2550X1560X1250	2650X1660X1350	3035x1580x1860	3035x1580x1860	3435x1740x1860	3180x2255x1880

Design description

The machine consists of Fan, ESP, muffler device(optional) etc. Put all above in a cabinet. It's easy for installation. You may also put ESP, UV, CB, Make vertical combination, Add fire damper etc.

This machine looks clean and easy for installation, Also the noise is low, It's suitable for Office building.



Advantage



Cells

Modularized cell can be connected to meet different airflow request with less power consumption, Higher efficiency, less volume, less weight and easy to clean.

Advanced transformer

Put the data of over 10 years experience into the transformer, It can adjust the Voltage and current, Work stable and with high efficiency.



Advanced production equipment

Equipped with TUMPF laser cutting machine, Funpower bending machine, NC punching and shearing machine, Welding robots and many other equipments, assure the high precision of products' dimension and stability.

Modularized

All products are modularized, Which makes it easy to combine and installation, Also makes it easy to meet different requests.



Control

You can use local control, remote control, Airflow control, There's also node control and 485 communication.

Certificates

The products passed CE, Also have efficiency report from Blue Heaven Technologies.



Experiences



FACILITY OPERATION

TÜRKİYE FUTBOL FEDERASYONU
RİVA - İSTANBUL



CAFE & RESTAURANT

VIAPORT VENEZIA AVM - LOCCA CAFE
İSTANBUL



FACILITY OPERATION

DOSTLAR KASABI
MANİSA



CAFE & RESTAURANT

YAĞMUR KEBAP KEKO USTA
BOLU



CAFE & RESTAURANT

ŞEN ET
ELAZIĞ



CAFE & RESTAURANT

NUSR-ET BEBEK
BEŞİKTAŞ - İSTANBUL



CAFE & RESTAURANT

KEBAPÇI HALİL USTA
GAZİANTEP



CAFE & RESTAURANT

RİBA-LİK RESTAURANT
BAYRAMPAŞA - İSTANBUL



CAFE & RESTAURANT

CADDE94 STEAK HOUSE
KAYSERİ



FACILITY OPERATION

ÖZ ŞANLILAR ET ÇİFTLİĞİ
DİYARBAKIR



CAFE & RESTAURANT

MENAD AVANGARDE
GAZİANTEP



FACILITY OPERATION

YA DA GRILL
SARIYER - İSTANBUL



CAFE & RESTAURANT

VIAPORT VENEZIA AVM - KEBAP HOUSE
İSTANBUL



CAFE & RESTAURANT

ZEKİCE BALIK
BURSA



CAFE & RESTAURANT

ÇİTİR DÜRÜM SERKAN USTA
BAHÇELİEVLER - İSTANBUL



FACILITY OPERATION

KORMETAL
AVCILAR - İSTANBUL

Abroad installation



Domestic installation

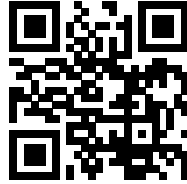




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