

CHP
series

This is an ultra-high pressure laser dust collector, not available from any other company. Collects fumes and dust scattered in the immediate vicinity. Ultra-high pressure type, resistant to heavy loads. Suitable for dust collection with branching and suction with a thin piping nozzle.

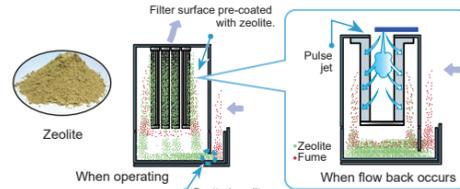
Product structure and features

Primary filter

■ **The zeolite is pre-coated using a proprietary scattering mechanism [Patents acquired]**

Long filter life is achieved even during the collection of fine dust and viscous fumes are caused by laser processing. Dust peeling properties improved with teflon filter.

Airborne fumes and dust particles are sucked in by the suction blower, stirred up with zeolite from the scattering port then laminated on the filter as the zeolite is activated.

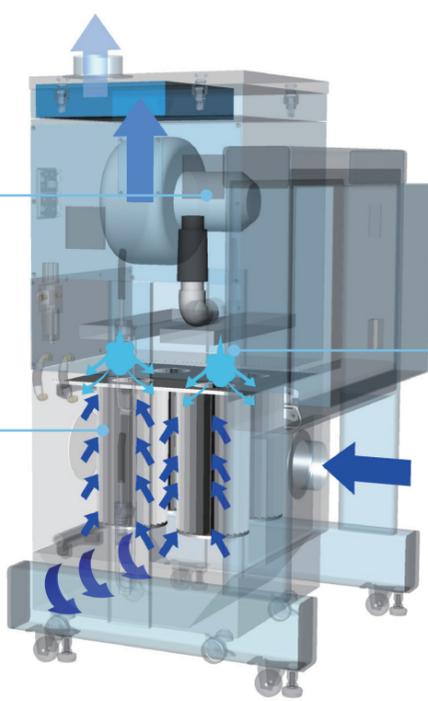


Blower

Equipped with a relief valve. Operates when a specified pressure level is exceeded to protect the blower from overheating.

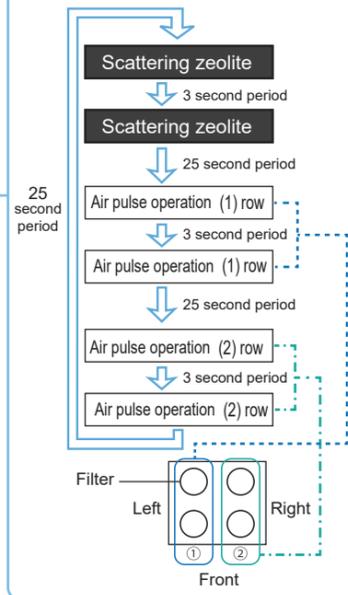
Activated carbon

Deodorizing activated carbon can be installed as an option.



Dust removal function [Pulse type]

We have installed a proprietary continuous pulse air (compressed air) cleaning function.



Features

Incorporates new "UD" feature

During maintenance of the primary filter chamber, the upper section of the chamber (pulse chamber / blower control chamber) can be lifted or lowered manually. The primary filter chamber can be easily removed.

Dust tray

The up/down lift mechanism makes it easy to attach and remove the dust tray. Casters attached with the dust tray makes it convenient to remove without any effort. It is then easy to dispose of the dust and to replace the zeolite.

Large inspection window

You can check the zeolite scattering status, the effective-ness of the pulse jet in removing dust, the suction status, and the condition of the filter through this window.



CHP-5000AT3-DSA-UD

Control panel

AT3 Panel

See pages 8-9 for more details.



Remote control feature included (for remote operation)

■ Remote cable (sold separately/model: Using MT-173-8 (3 m)) enables remote operation of peripheral equipment.



Motor cable receiving port on main body

- | | |
|--|--|
| 1. Operation input signal | 5. Operating signal |
| 2. Operation pressure signal (DC1-5V) | 6. Abnormality signal |
| 3. Filter clogging signal | 7. Change of operating level input signal (DC0-5V) |
| 4. Remote-control operation switching input signal | 8. Gnd |

- Operation ON/OFF
- Change capacity level (air volume)

Filter type

Model	Primary filter			Zeolite
	Type	Number	Total filtration area	
CHP-5000AT3-DSA-UD	CS-200-500-75P-R	4	12 m ²	ZEO-13000(13.0kg)

List of specifications

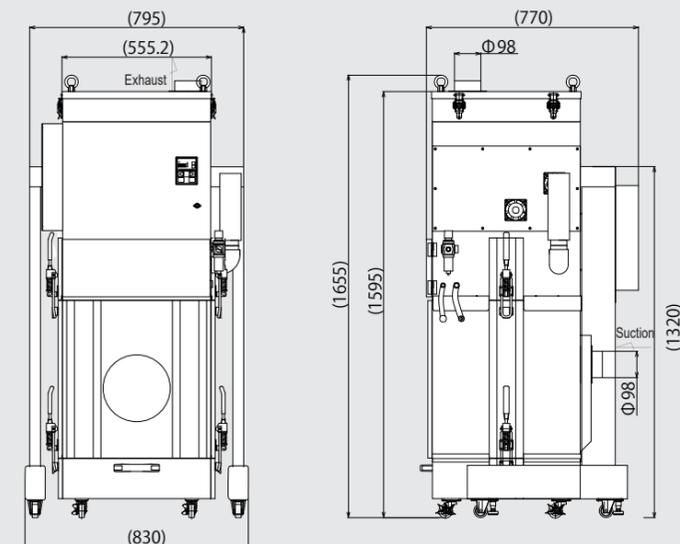
Model	Output	Voltage	Frequency	Rated current	Maximum air flow	Maximum static pressure	Noise *1 level	Suction port (hose) size	Compressed air consumption volume	Compressed air pressure
CHP-5000AT3-DSA-UD	5000W	200V three phase	50/60	26.5A	10 m ³ /min	18kPa	68-74dB	φ100	25L/min (connection port φ8)	0.45-0.55Mpa
	To be used with 200-240V	CE compliant	Panel	Power cable	Dust removal function	Remote control feature	Suitable for use in clean rooms	Dust collection *2 volume capability	Mass	Main body dimensions (D×W×H)
	Standard	○	AT3	—	Pulse type	○	—	31.5L	293kg	830×770×1655mm

*1 Measurements obtained in Scale A (dBA) from a randomly selected position at a distance of 1m using a unit with a hose connected to its suction port. (Pulse noise removed)
*2 As a reference, the dust collection capacity is about 70% of the amount that can be withdrawn.

Note: Contents may change without notice.

Dimensions

CHP-5000AT3-DSA-UD



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Fine dust
CKU
Fine dust
SK
SKV
Fine dust
CMP
Fine dust
CBA
Fine dust
SHP
Laser clean
CKU
Laser clean
CFP
Laser clean
CBA
Laser clean
CBD
Laser clean
CHP
Ultra small / compact
Deodorant
SKV
Cyclone