Medium pressure Dust collector

CMP series

Medium
pressure | AT3 | P | RoHS | For general environment | Clean rooms
Custom order machines (-V1)only

CMP series dust collectors are medium size with medium pressure / high air blower capability.
Suitable for sucking in surrounding air by using a hood with large opening area or by branching to multiple hoses.

Product structure and feautures

Primary filter
The product uses a teflon microporous cylindrical filter. This is an effective filter for removing dust with pulses.

Dust removal function [Pulse type]
Dust removal is carried out using pulse air(compressed air) to ensure suction power is not diminished. High powered dust removal with filter using a large capacity pulse jet.

With high efficiency motor installed
Compact design achieved through installation of high efficiency PM motor.Installation space is approximately half the amount required for a commercially available three-phase induction motor.

Dust collection is possible from either side.

Dust box
Carefully designed structure minimizes scattering of dust when opening/closing the drawer. Collected dust is stored in a dedicated antistatic plastic bag, which is easy to replace.

Features

Easy dust collection
Dedicated antistatic plastic bag (garbage bag) is included to ensure dust can be easily disposed of.
This material prevents static electricity being generated and minimizes scattering of dust when collected dust is withdrawn.
■Antistatic plastic bag model: DP-1055-450E

【Enhanced compatibility with options】

Complies with cleanliness class 1,000-100
HEPA filter can be installed with custom specifications.
Suitable for clean room.

Inspection window wiper
By installing a wiper on the inspection window, adhered dust is removed, making it easier to check the condition inside.

Exhaust flange
Exhaust air can be directed outside by attaching a flange to the exhaust port.
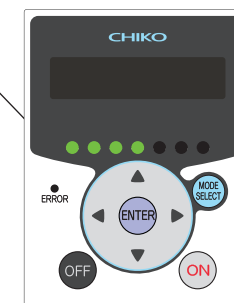
CMP-750AT3N   CMP-1500AT3N

Control panel

AT3 Panel

See pages 8-9 for more details.

CHIKO
ERROR ENTER MODE SELECT
OFF ON

Remote control feature included (for remote operation)

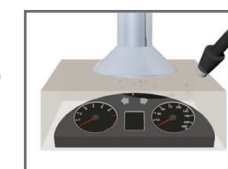■Remote cable (sold separately/model: Using MT-173-8 (3 m)) enables remote operation of peripheral equipment.
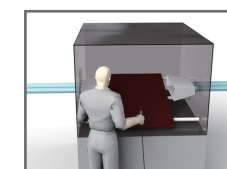
Motor cable receiving port on main body

1.Operation input signal
2.Operation pressure signal (DC1-5V)
3.Insufficient air flow signal
4.Remote-control operation switching input signal
5.Operating signal
6.Insufficient pressure single
7.Change of operating level input signal (DC0-5V)
8.Gnd

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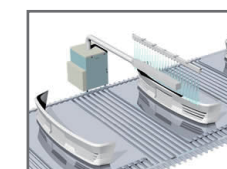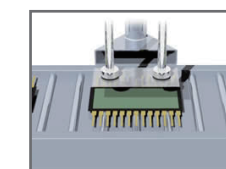● Change capacity level (air volume)

List of applications

Static elimination; removal of dust adhering to meter panel with air blower
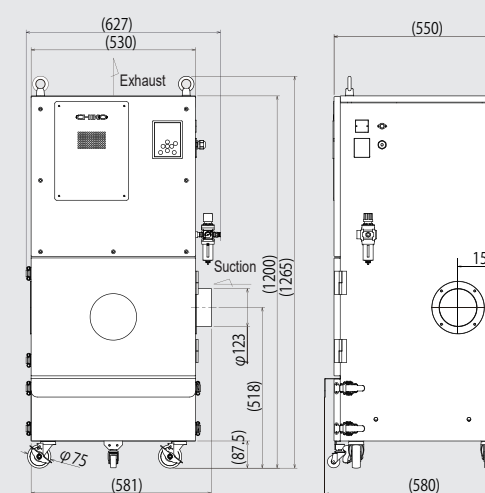
Removal of dust from car components with air blower

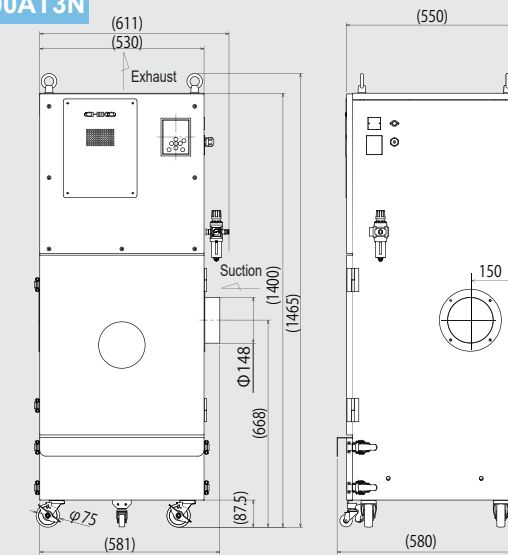Static elimination; removal of dust adhering to car bumper

Removal of floating dust before pasting on LCD / OLED panels

Dimensions

CMP-750AT3N

CMP-1500AT3N

Filter type

Model	Primary filter			Air intake and exhaust for cooling inverter		Exhaust HEPA filter *1
	Common type for standard / custom model	Number	Total filtration area	Nonwoven cloth	Filter (when using HEPA filter)	
CMP-750AT3N	CS-175-300-63P-R	4	6.0 ㎡	PS300N	HEP-1293-33	HEP-5040-80
CMP-1500AT3N	CS-175-500-63P-R	4	10.0 ㎡	PS300N	HEP-1293-33	HEP-5040-80

*1 Only to be used for clean room class 1,000-100

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
CMP-750AT3N	1000W	200V three phase	50/60	6.5A	15.0 ㎥/min	5.0kPa	57-68dB	φ125	17L/min (Connection port φ8)	0.4-0.6Mpa
CMP-1500AT3N	1500W	200V three phase	50/60	9.3A	27.5 ㎥/min	5.0kPa	57-68dB	φ150	17L/min (Connection port φ8)	0.4-0.6Mpa

Model	To be used with 200-240V	CE compliant	Panel	Power cable	Dust removal function	Remote control feature	Suitable for use *2 in clean rooms	Dust collection*3 volume capability	Mass	Main body dimensions (D×W×H)
CMP-750AT3N	Standard	—	AT3	5m	Pulse type	○	OP	20L	125kg	580×581×1265mm
CMP-1500AT3N	Standard	—	AT3	5m	Pulse type	○	OP	20L	133kg	580×581×1465mm

*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 Can be used with options.   *3 As a reference, the dust collection capacity is about 70% of the amount that can be withdrawn.
●For custom order machines, "-V1" is added to the end of the product model number (compatible with cleanliness class 1000).
● "-E" is added to the end of the product model number for customer order machines (conductive painting specifications).

Note:Contents may change without notice.

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