

- Before use**
- 1 Connect the power adapter (AD24-IT19) (accessory) and connect it to the outlet.
 - 2 Connect an air tube $\phi 8 \times 5$ mm to the air joint to supply compressed air (0.1 to 0.3 MPa).
 - 3 Attach the paper pack filter (accessory) to the exhaust port. [Note] When the machine is placed by the wall, secure a distance of about 10cm between the back of the machine and the wall.

- How to use**
- 1 When the power switch of the IPC-V4 is turned on, the LED on the switch unit lights up and the dust collecting fan starts moving. [Stand-by state]
 - 2 Hold the workpiece in your hand and insert it into the machine.
 - 3 The sensor detects the workpiece and the ion air is blown out from the ionizing nozzle N-3.
 - Use this machine with air pressure between 0.1 and 0.3MPa.
 - Continuous Mode or Pulse Blow Mode can be selected.
 - Off-timer function can be set.
 - 4 When the workpiece is taken out of the machine (the sensor detecting range), the air blow will stop. [Back to Stand-by state]

Specifications

Product name	Ion Parts Cleaner Vertical Type
Model	IPC-V4
Dust collecting filter	Self-adhesive urethane gel sheet / paper pack filter
Input voltage	24VDC $\pm 5\%$ (Use the enclosed power adapter: 100~240VAC, 50/60Hz)
Power consumption (W)	18
Dust collection air volume (m ³ /min)	1.13 (Built-in fan)
Static pressure (Pa)	460 (Built-in fan)
Noise (dBA)	88.3 (0.3MPa, measuring distance 600mm)
Weight (kg)	3.8
Body material	Exterior: SPCC / Transparent Hood: PVC
Static eliminator	N-3 1piece
Alarm output	High voltage output abnormal operation warning (red LED)
Operating time / intermittent	Continuous 1/3/5/10/30 seconds Pulse 50 / 90ms intermittent
Fluid used	Clean air (CDA)
Working air pressure	0.1-0.3MPa
Air tube used	O/D $\phi 8$ mm x I/D $\phi 5$ mm
Air consumption (L / min)	161 (in 0.3MPa continuous mode)
Operating temperature / humidity	Temperature +5 to +40 ° C Humidity 35-65% RH (no condensation or freezing)
Width x Depth x Height (mm)	W200 x D289 x H297 (excluding protrusions)

Accessories

- Power adapter AD24-IT19 or AD24-IT19E
- Adhesive gel sheet for internal wall side (with magnet sheet) IPC-V4GB (Already installed)
- Adhesive gel sheet plate for bottom side
- Paper pack filter (6 pcs) IPC-A3F
- 2P-3P conversion adapter
- Tilt adjustment spacer (2 pcs)
- Instruction manual (IPC-V4, N-3)

Replacement parts

- Adhesive gel sheet for internal wall side (with magnet sheet) IPC-V4GB (EDP No.806152)
- Adhesive gel sheet for bottom side IPC-V4GD (EDP No.806153)
- Needle electrode GN-H (EDP No.806124)
- Paper pack filter (6-pc set) IPC-A3F (EDP No.806126)

JAN 4907587028259 (with AD24-IT19)

EDP No. 621611 (with AD24-IT19)

Specifications (Ionizing nozzle N-3)

Ion generation method	AC frequency corona discharge type
Input Power	24VDC $\pm 5\%$ 90mA max.
Applied voltage	5.6kVAC p-p
Static elimination time	0.7 seconds *
Ion balance	$\pm 10V$ *
Ozone generation	0.05ppm or less (measurement distance 50mm or less)
Material	Body-Nozzle: ABS resin / Discharge needle: Tungsten

The values marked with * are based on our measurements.

Warning

- Be sure to read the instruction manual to use the product safely.
- Do not use for any purpose other than static elimination and dust removal.
- To prevent fire accidents, never inhale fire, explosive dust, or dust-containing liquid mist.
- To prevent malfunction or accidents, never let the machine inhale damp dust, water, oil, or other items that contain water.
- To prevent fire accidents, never use the following shared items. *When dust is mixed inside the machine and turns into a dangerous substance.
- Do not use as a painting booth. Please do not paint.
- Wear earplugs before use.

VESSEL Co., Inc.

17-25, Fukae-Kita 2-chome, Higashinari-ku, Osaka 537-0001 JAPAN
Tel:+ 81 (0)6 6976 7778 Fax:+ 81 (0)6 6972 9441
E-mail:export@vessel.co.jp URL : www.vessel.co.jp/english/

Distributed by



21052700.00

●Specifications, dimensions, and others are subject to change without prior notice.



**Industry-first!!
Dust Box Type Ion Cleaner**



ION PARTS CLEANER No.IPC-V4
Ion Parts Cleaner Vertical Type

Foot-installed type Static eliminator / Dust collector

When you insert the workpiece by hand through the opening at the top, the sensor detects it and the ion air blows off dust from the workpiece while removing static electricity. Dust is collected by the adhesive gel sheets and the paper pack filter.



Transparent hood

The transparent hood makes the internal side look bright to see well contamination of the adhesive gel sheet.

Adhesive gel sheet increases efficiency in dust collection.

The adhesive gel sheet is easy to clean. A quick wipe with an alcohol sheet will remove the adhered dust without hassle.

Compact design for easy installation / relocation

As it weighs only 3.8 kg, it is easy to change the installation places, according to the actual working process.

Static eliminator N-3 is equipped.

Air nozzle type ionizer is built-in. The ion air is blown downward.

Automatic airflow

When the workpiece is inserted, the sensor detects it and the machine automatically starts blowing the ion air. Since there is no need to operate a switch each time when you insert a workpiece, you can work with one hand, improving work efficiency.

Less dust reattachment

Dust blown off by air is caught and collected by the adhesive gel sheets (internal wall side and bottom). In addition, dust sucked by the dust collecting fan is accumulated in the paper pack filter on the back. Unlike an air gun, this machine does not scatter dust around, so it is possible to prevent dust from reattaching to the workpiece.

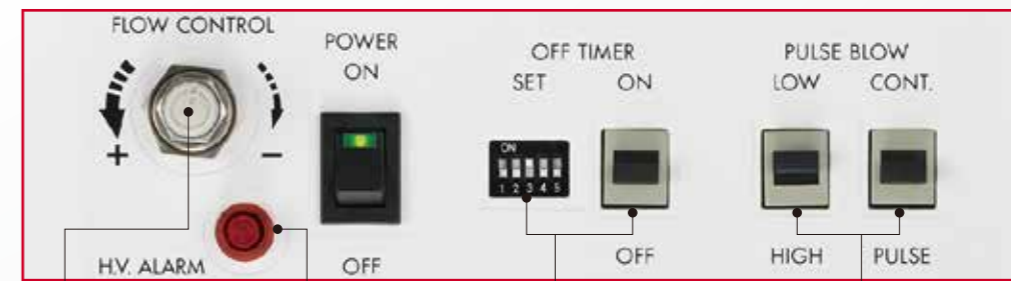


Small footprint design saves the desk space.

The opening is on the top, and the space-saving design of the main body gives you flexibility in the layout in the workplace. For example, 2 workers can use a single machine by installing it between them.



Switches and Functions



Air volume adjustment

Air volume can be adjusted so as to be suitable for the working site.

High voltage alarm lamp

A warning lamp is installed on the top surface. The lamp lights up when the ionizer stops due to a high voltage abnormality.

Off-timer setting

You can set the working time of the ionizer, from the time when the sensor detects the workpiece to the time when the ion air stops. This function enables to prevent interruption of air blow during using the machine. Set time (1/3/5/10/30 seconds)

Pulse operation mode

Intermittent air helps to blow off dust on the work surface.



Replacement-easy Paper Pack Filter

The built-in dust collecting fan sucks dust, and the paper pack filter attached to the exhaust port collects the dust.

Applications

- [Medical container / Cosmetic container] In the assembly / inspection / packing process, static elimination and dust removal while suppressing the scattering of dust.
- [Electronic substrate] In the process of assembling to the housing, static elimination of the board and removal of adhering dust.
- [Optical lens] During assembly work, non-contact dust removal is performed to prevent dust reattachment.
- [Resin molded small product (connector / harness)] Removal of adhering dust during the molding / inspection process.
- [smartphone] Dust is removed by disassembling and assembling work to prevent damage to the housing due to dust.
- [Glasses] Dust is removed while removing static electricity during assembly work, and even small dust is removed.



Installation

Prepare an installation stand with a height that is appropriate for the actual work, and place the machine on it before use. (The body has non-slip rubber feet.)

You can also remove the rubber feet and fix them to the installation stand with screws (M4 x 4).

Tilt the body 5° to make it easier to insert the workpiece from the front side into the machine. Use the tilt adjustment spacers in combination with the rubber feet.

