

VESSEL®

User-friendly and compact system
for ionizing and dust collection

NEW

IPC-A3



NEW

IPC-A4



CE RoHS

**ION PARTS
CLEANER**

Ion Parts Cleaner Series

IPC-A3 IPC-A4

PAT.P.

No need to go to a dust collector bench.
Contributes to streamlining in the cell or
line production.

Considerably less power consumption

Running costs are greatly reduced as
a dust collector is no longer required.
Air consumption can be further reduced
by using pulse blow.

Easy maintenance

Dust is collected on the self-adhesive
urethane gel sheet. Just wash
the sheet off with water to restore
the adhesiveness.



Set the ionizing blow time

Can set the time to stop
the ionizing blow after
the sensor detects
the workpiece.
(1/ 2/ 5/ 10 or 30 sec.)



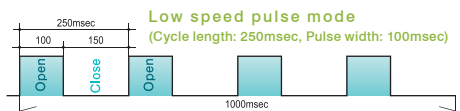
Powerful dust removal pulse blow

Pulse mode enables more efficient dust
removal by intermittent air blow. Select
the pulse mode (High /Low) in
accordance with your
application.

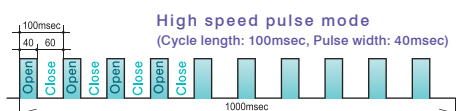


Pulse mode

LOW Open/close the built-In
solenoid valve at low speed

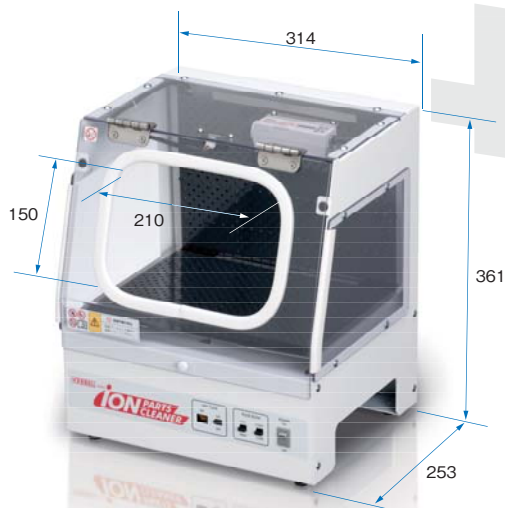


HIGH Open/close the built-In
solenoid valve at high speed



NEW

IPC-A4



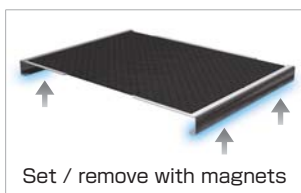
CE RoHS

EDP No.621610

Eco-friendly product

Application examples

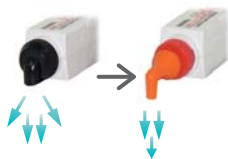
- Removing static electricity and dust from the following products:
 - substrate
 - semiconductor devices
 - optical lenses
 - housing of mobile phone or smart-phone
 - parts before assembly etc.



Set / remove with magnets

New functions

- The flow control dial on the backside enables to adjust the ion airflow.
- The adhesive gel sheet plate with magnets can be easily attached and detached.
- Replaceable nozzle suitable for pinpoint dust removal is included as accessory.



Specifications

Model No.	IPC-A4
Dust collection method	Self-adhesive polyurethane gel sheets and non-woven fabric filter
Input voltage	DC 24V $\pm 5\%$ (Power supply transformer : AC100V~240V, 50/60Hz)
Power output	17W
Consumption current	700mA
Air flow	3.5 m ³ /min (Built-in fan)
Static pressure	105Pa (Built-in fan)
Ionizer	Super slim nozzle type ionizer N-1 $\times 1$ pc
Applied fluid	Clean air (0.1~0.5 MPa)
Air consumption	187 ℓ /min (0.3MPa)
Air hose	O.D. ϕ 8 mm
Noise	86.5 dB A (0.3 MPa)
Working temperature/ Humidity Range	5 to 40°C / 35 to 65 %RH (No dew or freezing)
Dimensions	314W \times 253D \times 361Hmm
Weight	6kg
Materials	Booth: Steel, Rigid PVC plates Plates: Stainless steel Adhesive gel: Polyurethane
Accessories	Power supply transformer, Pinpoint L-shape corner nozzle

NEW

IPC-A3



CE RoHS

EDP No.621612

Eco-friendly product

Application examples

- Cleaning part trays.
- Removing static electricity and dust removal
 - before UV protection process
 - before silk printing
 - before packaging etc.



New functions

- A paper pack filter can be attached to the exhaust port on the rear side (standard). A $\phi 75$ mm exhaust duct can be connected by exchanging the flange
- The flow control dial enables to adjust the ion airflow.
- Replaceable nozzle suitable for pinpoint dust removal is included as accessory.

Specifications

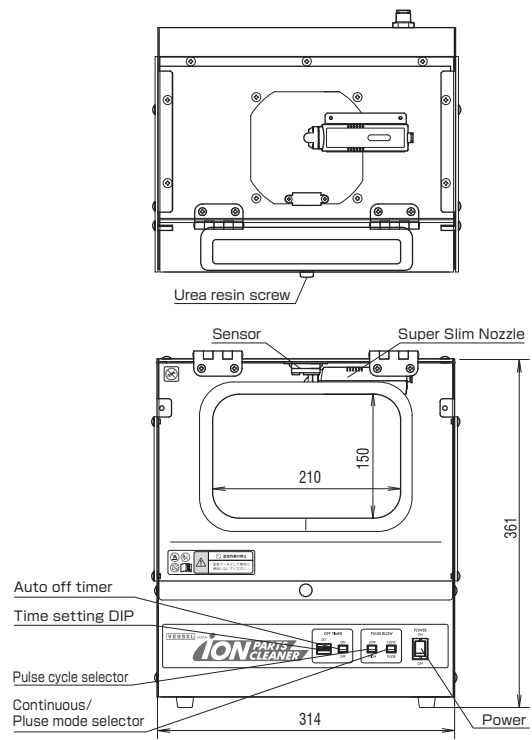
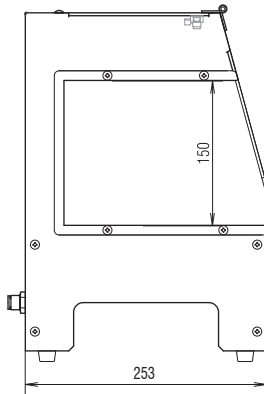
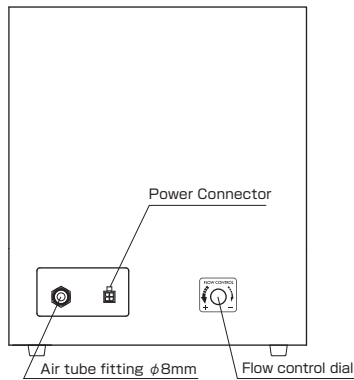
Model No.	IPC-A3
Dust collection method	Self-adhesive polyurethane gel sheets and paper pack filter
Input voltage	DC 24V $\pm 5\%$ (Power supply transformer: AC100V~240V, 50/60Hz)
Power output	22W
Consumption current	900mA
Air flow	1.13 m ³ /min (Built-in fan)
Static pressure	460Pa (Built-in fan)
Ionizer	Super slim nozzle type ionizer N-1 $\times 2$ pcs.
Applied fluid	Clean air (0.1~0.7MPa)
Air consumption	220 ℓ /min (0.3MPa)
Air hose	O.D. ϕ 8mm
Noise	70.0 dBA (0.3MPa)
Working temperature/ Humidity Range	5 to 40°C / 35 to 65 %RH (No dew or freezing)
Dimensions	420W \times 300D \times 411Hmm
Weight	9.5kg
Materials	Booth: Steel, Rigid PVC plates Plates: Stainless steel Adhesive gel: Polyurethane
Accessories	Power supply transformer Duct flange (for $\phi 75$ mm), Paper pack filter (6pc.) Pinpoint L-shape corner nozzle

External dimensions

IPC-A4

Replacement parts

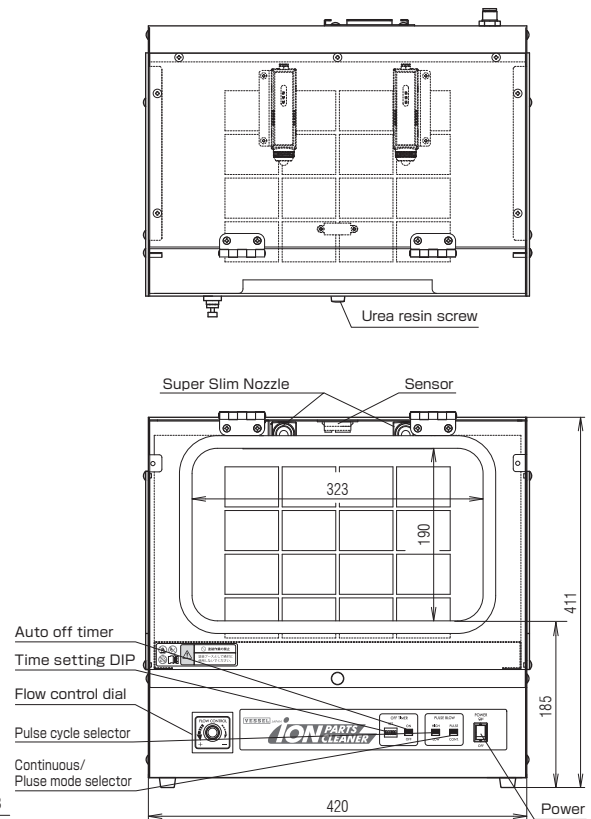
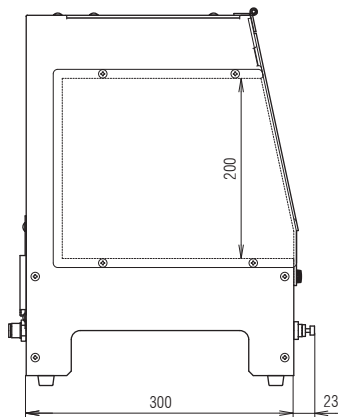
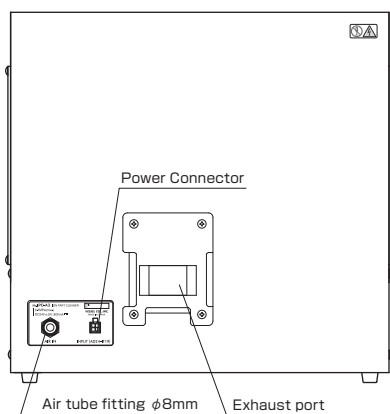
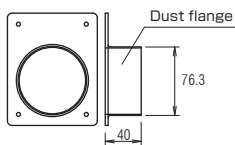
- IPC-A4G** Adhesive gel sheet (two sheets required per unit)
N-1H Electrode Needle (for N-1)
IPC-A4F Unwoven fan filter (5PC set)



IPC-A3

Replacement parts

- IPC-A4G** Adhesive gel sheet (two sheets required per unit)
N-1H Electrode Needle (for N-1)
IPC-A3F Paper pack filter (6PC set)



※A dust collector should not be connected to the exhaust duct. A load will be applied on the internal fan and lead to faults.



- Read the instruction manual carefully before use.
- Do not use Ion Parts Cleaner for other purpose than the static erasing or dust removal.
- To avoid fires or accidents, never let Ion Parts Cleaner vacuum up flames, explosive dust, or dust containing liquid or mist.
- To avoid failure or malfunction, never let Ion Parts Cleaner vacuum up damp dust or any moisture such as water or oil.
- Never use Ion Parts Cleaner for different kinds of dust which may cause reaction, fires, accidents, or else, as a result of mixture.
- Do not use Ion Parts Cleaner as a painting booth. Do not perform painting work with Ion Parts Cleaner.

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

VESSEL EUROPE

6, avenue du 1er Mai, ZAE Les Glaïses, 91120 Palaiseau FRANCE
 Tel : +33(0)1 69 19 17 42 Fax : +33(0)1 69 19 42 20

E-mail : export@vessel.co.jp URL : <http://www.vessel.co.jp/english/>

●For improvements, the product specifications, size, price and other information may be subject to change without prior notice.

Distributed by

Printed in Japan

12080621.01