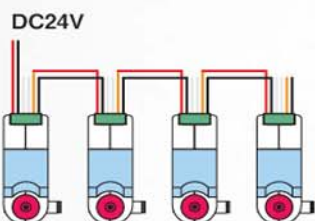
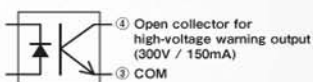


Challenging New Nozzle Type

*Palm-sized ionizer with an excellent ion balance of $\pm 10V$.**



N-2 is provided with a 6-terminal connector, by which multiple units can be connected and warnings can be sent to external equipment.

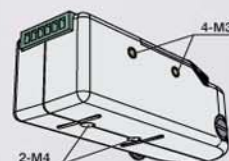


Standard Nozzle



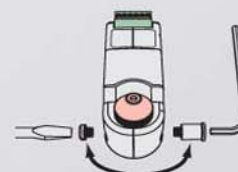
If the unit detects abnormally high voltage, its lid flashes in red and notifies the workers.

Threaded holes on its 3 sides for ready installation.



CE RoHS

With $\phi 6mm$ air inlet on both sides, compressed air can be supplied from either side.



Flared Nozzle can be angled appropriately.

Tube Fitting Nozzle provides connection with an air hose.

Three kinds of interchangeable nozzles are included.

STAT·CLEAN **N-2**

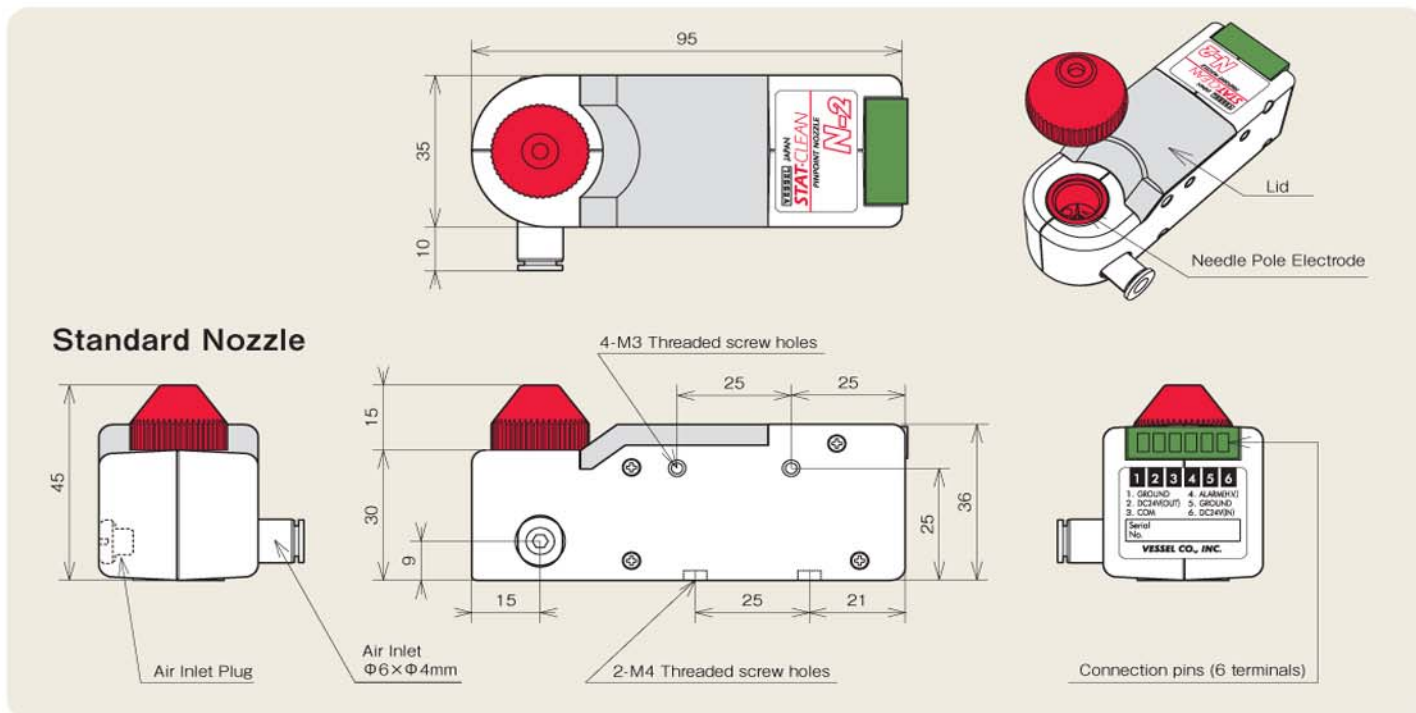
Pinpoint Nozzle Ionizer

(Not Available in Canada)

※Based on the following conditions:
w/ Standard Nozzle, 0.3MPa air input pressure,
Measured in front of the unit at a distance of 150mm.

VESSEL Pinpoint Nozzle No.N-2

N-2 incorporates a reliable high frequency piezoelectric transformer. Usable with compressed air and nitrogen gas.

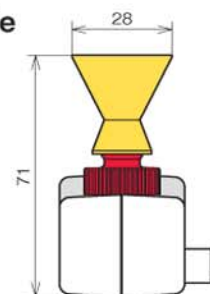


SPECIFICATIONS

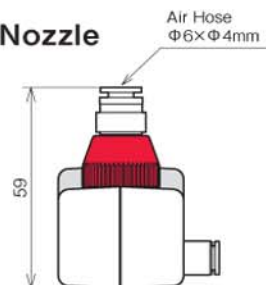
Model	: N-2
Ion generation method	: High voltage AC corona discharge
Applied voltage	: AC6.0K V(p-p)
Input voltage	: DC24V ±5%
Power consumption	: 58mA (typ.)
Applied fluid	: Clean air (0.1~0.6MPa), Nitrogen gas (0.1~0.6MPa)
Air consumption	: 140 l /min (0.2MPa)
Ozone generation	: 0.05ppm or less (Measured at 50mm)
Working temperature / humidity	: 5~40°C 35~65%RH (No dewing)
Storage temperature / humidity	: 0~60°C 35~85%RH (No dewing)
Decay time	: ±1000V→±100V, within 0.7sec, 0.3MPa/150mm [Measured values]
Ion balance	: Within±10V (0.3MPa / 150mm) [Measured values]
Weight	: 106g
Dimensions	: L 95mm×W 45mm×H 45mm
Materials	: Housing: ABS resin, Nozzles: Polyacetal resin, Needle Pole Electrode: Tungsten
Accessories	: Instruction Manual, Flared Nozzle, Tube Fitting Nozzle, Power Harness, Needle Pole Changer.

ACCESSORIES

Flared Nozzle



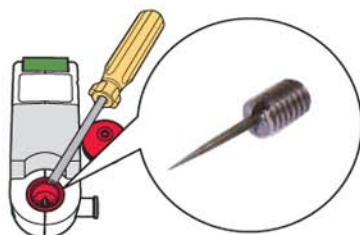
Tube Fitting Nozzle



Needle Pole Electrode can be easily replaced with an attached Needle Pole Changer.

(Replacement Part)

Needle Pole Electrode G-7H



Power harness

Lead wire 700mm

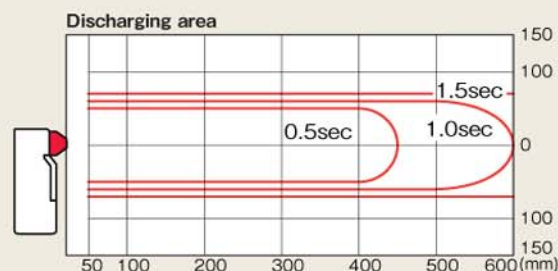
- 1-BLACK - GROUND
- 2-ORANGE - DC24V (OUT)
- 3-BLUE - COM
- 4-YELLOW - HIGH VOLTAGE ALARM
- 5-BLACK - GROUND
- 6-RED - DC24V (IN)



PERFORMANCE

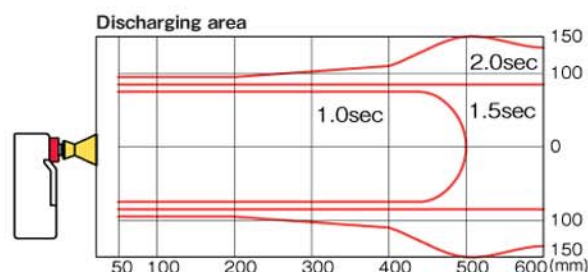
Standard Nozzle

Air pressure	(MPa)	0.1	0.2	0.3	0.4	0.5	0.6
Airflow volume	(L/min)	77	140	217	292	390	480
Decay time	+1000V→						
	+100V(sec)	0.8	0.5	0.5	0.5	0.6	0.7
	-1000V→						
Ion balance	-100V(sec)	0.8	0.5	0.4	0.5	0.6	0.7
	(V)	-2	-2	-1	-2	-2	-2



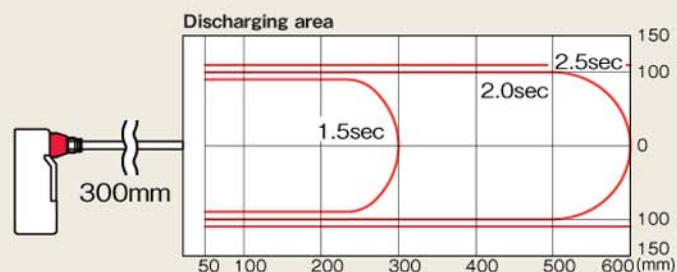
Flared Nozzle

Air pressure	(MPa)	0.1	0.2	0.3	0.4	0.5	0.6
Airflow volume	(L/min)	81	153	224	304	404	501
Decay time	+1000V→						
	+100V(sec)	1.5	0.9	0.7	0.6	0.5	0.5
	-1000V→						
Ion balance	-100V(sec)	1.5	0.9	0.6	0.5	0.5	0.4



Tube Fitting Nozzle (w/ a 300mm tube)

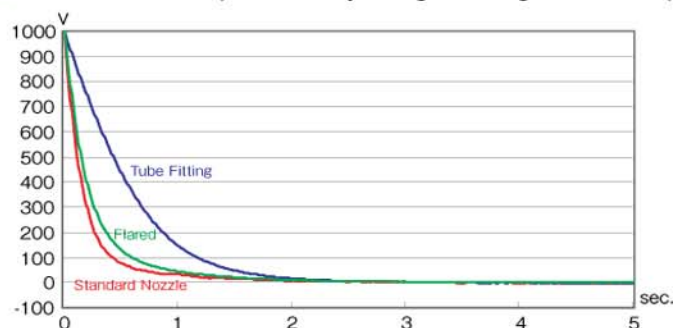
Air pressure	(MPa)	0.1	0.2	0.3	0.4	0.5	0.6
Airflow volume	(L/min)	74	143	209	287	385	482
Decay time	+1000V→						
	+100V(sec)	1.8	1	1	1.2	1.4	1.7
	-1000V→						
Ion balance	-100V(sec)	1.9	1.2	1.2	1.4	1.7	2
	(V)	-2	-9	-9	-9	-10	-16



Standard Nozzle (w/ nitrogen gas input)

Air pressure	(MPa)	0.1	0.2	0.3	0.4	0.5	0.6
Airflow volume	(L/min)	80	152	220	296	390	495
Decay time	+1000V→						
	+100V(sec)	0.6	0.3	0.2	0.2	0.2	0.2
	-1000V→						
Ion balance	-100V(sec)	0.6	0.3	0.2	0.2	0.2	0.2
	(V)	-3	-2	-2	-2	-3	-3

DECAY TIME (with initially charged voltage of +1000V)



- ※ The discharging area and decay time shown above are based on the performance at an air pressure of 0.3MPa and how long it required to decrease initially charged voltage 1000V to 100V.
- ※ The measurement of decay time and ion balance was conducted in front of the unit at a distance of 150mm.
- ※ The decay time and ion balance are based on the performance of a unit operating for more than one minute.
- ※ The values above were measured at a temperature of $25^{\circ}\text{C} \pm 5\%$ and humidity of $50\% \pm 5\%$. They are expected to vary to some extent depending on usage environment.
- ※ The values above were based on tests with a sample unit. They represent the central tendency of this model, but are not to be guaranteed.



- Please read the user's manual carefully for safe use.
- Do not use this product in any hazardous areas where the potential for fire or explosion exists such as gases, dust, or easily ignitable materials in the atmosphere.
- Keep liquids away from the unit, such as water, oil, solvent, as some parts are applied with high voltage.
- Prevent dew condensation as it may cause electric shock and product breakage.
- Do not touch the needle electrode as they are applied with high voltage. Also keep your operation tools and wirings away from the unit.

Due to product improvement, the above specifications and measurements are subject to change without notice.

STAT·CLEAN Series

Pulse Air Controller

PAC-8



Compatible with VESSEL's G-7R, N-2 and Ionizing Bars. PAC-8 realizes more effective dust elimination with powerful intermittent air-blow, reducing air consumption by 60%.

Gun-Type Ionizer

G-7R

Powerful ionizing air-blow with $\pm 10V$ ion balance. Small & Lightweight (198g).



AC Pulse Ionizing Bar

B-series



Card-type remote controller

Wide selections are available ranging from 60cm to 300cm. Frequency, ion balance and output voltage can be finely tuned in accordance with your application. Short ionizing bars (16cm to 40cm) are also available.

Electrostatic Field Meter

Eye-01



Palm-sized electrostatic measuring device ideal for checking ion balance and polarity of static charge.