

# 03 Bar Type

## C-series

Bar-type ionizers best suited to mounting to a variety of equipment  
Air purge construction enables super-fast static electricity removal  
to be accomplished.

With a lineup of abundant sizes, they respond to various applications.



Aerodynamic body design of the thin cross sectional area  
enables quick static electricity elimination to be achieved  
without causing changes in air flow in a clean room or  
above in a clean bench.

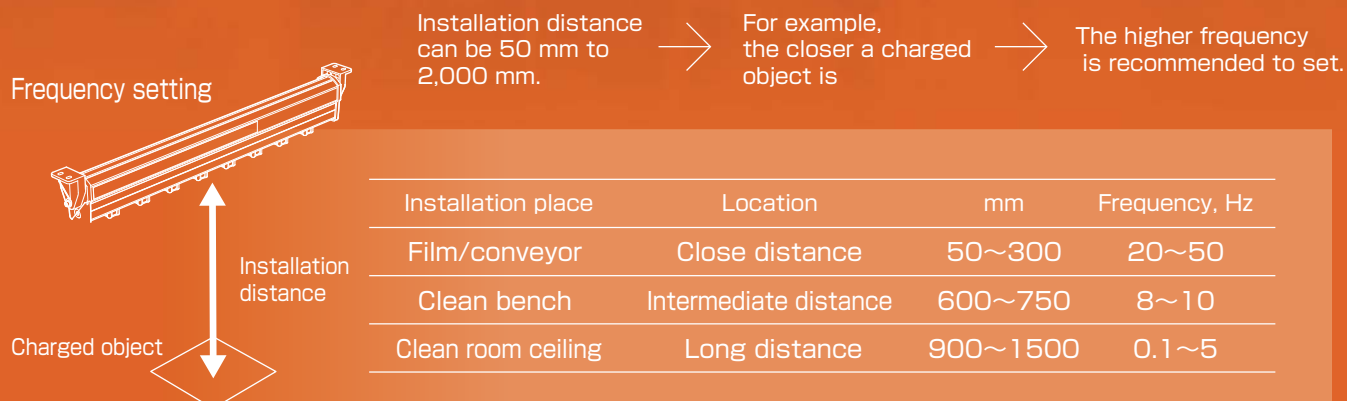
Being capable of setting frequency in 10 levels  
as well as being equipped with auto ion  
balance mode in which ion balance is  
automatically adjusted according to the  
polarity of a charged object, these  
ionizers can make adjustments  
according to the installation  
distance or the amount of  
charge.



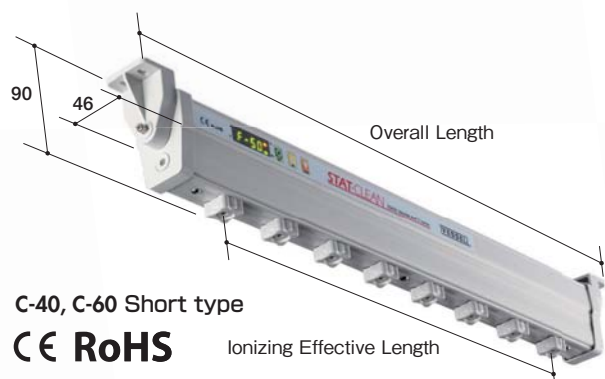
Easy maintenance design

Needles are of socket type, enabling a needle to be replaced by one-touch operation.

※The SH-series does not support electrode replacement.



# C-series



C-40, C-60 Short type

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Ionizing Effective Length

Overall Length

Ionizing Effective Length



Accessories : AC cable (5m)  
Remote Control RMC-01 (Except C-40/C-60)  
End brackets 2pcs,  
Middle bracket (Quantity See below)

96

33

C-90~300

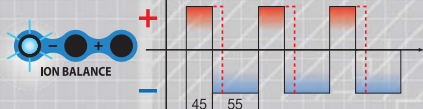
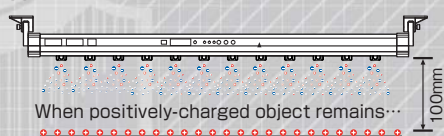
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## One point

### AC Pulse Auto Balance Mode

The C series are equipped with a mode to optimally adjust the ion balance automatically according to the polarity of the charged object. (Target distance: 50 to 100 mm)

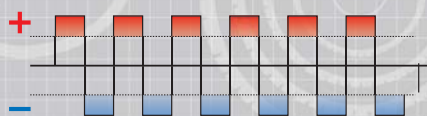
※C-series



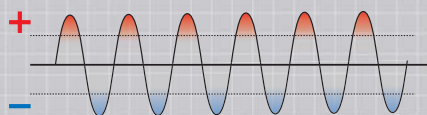
More negative ions are generated.

### AC pulse method

Generating alternately positive ions and negative ions from each electrode. Since ions are generated at the maximum width of each positive and negative electrode cycle, the ion volume is high and static electricity can be removed quickly.



Typical alternating current



## No. C-series AC Pulse Ionizing Clean Bar

Ionizing method : Pluse AC corona discharge Applied voltage : ACB~12.5kV(p-p)

- Super compact design in which a high-voltage power supply, control circuit, and air circuit have been incorporated
- Terminals are collected on one side, enabling daisy chain to be made.
- The newly developed electrode needle socket is of air purge construction in which air purge outlets are provided around electrode needles.
- This not only prevents contamination at the tip of the electrode needle but also enables super-fast static electricity removal to be achieved.
- Opposing electrodes are incorporated in the body. This prevents particles from adhering to the body outside that is caused by induction voltage and minimizes losses in applied voltage, enabling the ion generation efficiency to be improved.
- Adopts the electrode needle socket type in which a needle can be easily replaced by one-touch operation
- Equipped with auto balance mode that optimally adjusts ion balance automatically according to the polarity of a charged object (target distance: 50 to 100 mm)

Model No.	Overall length (mm)	Discharge needle useful length (mm)	Middle bracket (pcs)	Electrode needles (pcs)	Weight (kg)
C-90	877	660	0	12	0.9
C-100	1078	900	1	16	1
C-120	1318	1140	1	20	1.2
C-150	1558	1380	1	24	1.4
C-170	1798	1620	2	28	1.6
C-200	2038	1860	2	32	1.8
C-220	2278	2100	2	36	2.3
C-250	2518	2340	3	40	2.6
C-270	2758	2580	3	44	2.8
C-300	2998	2820	3	48	3.1

Power supply	Current consumption (mA) max.	Decay* time	frequency	pulse ratio	Voltage level
DC24V±5%	600	0.8 sec or less	Ten steps (0.1~50Hz)	+40~70% -60~30%	± ten steps each

※Decay time :30Hz 10.5kVp-p 300 mm directly below at 0.3MPa  
 \*Air supply pressure...0MPa to 0.3MPa, Air supply hose diameter Φ8mm×Φ6mm (Air supply port: PT1/8)  
 \*Accessories: Remote controller, Power cable (5m), End brackets (included with device), Middle brackets (included with device)  
 \*Option: AC Adapter AD24-IT-EX, AD24-ITCF-EX, AD24-IT19-EX, Power Supply cable (5m) CT-5

## No. C-40/C-60 AC Pulse Ionizing Clean Bar NEW

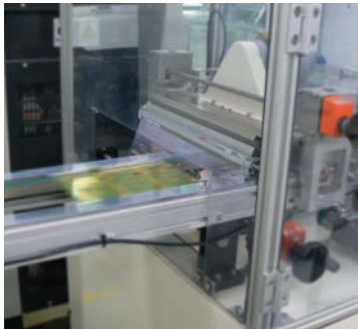
Ionizing method : Pluse AC corona discharge Applied voltage : ACB~12.5kV(p-p)

- Short type best suited to installation on a conveyor or in a unit
- Consolidated terminals on the back side, power can be supplied by daisy chain wiring.

Model No.	Overall length (mm)	Discharge needle useful length (mm)	Electrode needles (pcs)	Weight (kg)
C-40	422	240	5	0.78
C-60	602	420	8	1.08

Power supply	Current consumption (mA) max.	Decay* time	frequency	pulse ratio	Voltage level
DC24V±5%	600	0.8 sec or less	Ten steps (0.1~50Hz)	+40~70% -60~30%	± ten steps each

※Decay time :30Hz 10.5kVp-p Straight down 300mm at 0.3MPa  
 \*Air supply pressure...0MPa to 0.3MPa, Air supply hose diameter Φ8mm×Φ6mm (Hose coupling PT 1/8)  
 \*Accessories: Remote controller, Power cable (5m), End brackets (included with device)  
 \*Option: AC Adapter AD24-IT-EX, AD24-ITCF-EX, AD24-IT19-EX, Power Supply cable (5m) CT-5



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## No. SH-series Compact AC Pulse Ionizing Bar (separate power supply type)

- Ion balance can be adjusted by changing a pulse ratio.
- The main body is as compact as 30 × 33 mm, ideal for mounting to narrow units.
- Use of a branch box enables multiple bars to be operated from one power supply equipment.
- High-voltage cable can be attached/detached from the bar's main body.
- High-voltage cable is silicone sheathed in consideration of safety.

Model No.	Overall length (mm)	Discharge needle useful length (mm)	Decay time <sup>※</sup> (sec)	Electrode needles (pcs)	Weight (kg)
SH-16	218	105	0.5	8	0.36
SH-20	258	135	0.5	10	0.40
SH-30	338	210	0.5	7	0.42
SH-40	443	315	0.5	10	0.50
SH-50	548	420	0.5	13	0.57
SH-60	653	525	0.5	16	0.63
SH-70	758	630	0.5	19	0.70

Decay time :30Hz 10.5kVp-p Straight down300mm at 0.3MPa  
Air supply pressure...0MPa to 0.5MPa, Air supply hose diameter Φ6mm×Φ4mm  
Options: Branch box SH-SP2, Relay cable (3m)SH-EC3, Relay cable (5m)SH-EC5

## No. SH-G3 Power supply units

**Ionizing method : Pluse AC corona discharge Applied voltage: AC10.5kVp-p**

- Has two sockets for connecting bars. Bars can be installed and wired easily.
- Provided with the ion balance adjustment function (pulse ratio)
- Equipped with a safety circuit that shuts down the output if overcurrent or high-voltage abnormality occurs
- Lightest-weight body in the industry: 1.5 kg

Model No.	Input power supply	Power consumption (W)	frequency (Hz)	Plus ratio	HxWxD (mm)	Weight (kg)
SH-G3	AC100~240V(50/60Hz)	10	30	+40~70% -60~30%	62.7×138×230	1.5

Accessories: AC Power cable 1.8m (for 100VAC and input) 2 cables