

Model 470 Series

INNOVATIVE CoreStat® Self-Balanced Gun Ionizer

FEATURES

- Steady-State DC Ion Emission
- Low Ion Balance
- Alarm for HV Power fail
- Audio & LED Alarm
- Replaceable HEPA Filter only 472A
- IR Sensor

BENEFITS

- No Calibration Required
- Ergonomic Design
- Particle Contamination Cleaning
- Adjustable IR sensor distance

APPLICATIONS

CoreStat® Steady-State DC Technology Gun Ionizer, Model 470 Series** has designed to maintain at low peak offset voltage for particle removal and ESD controls in cleanroom environment. Maintain low offset voltage is most important parameter for CDM control than just simply fast discharge.

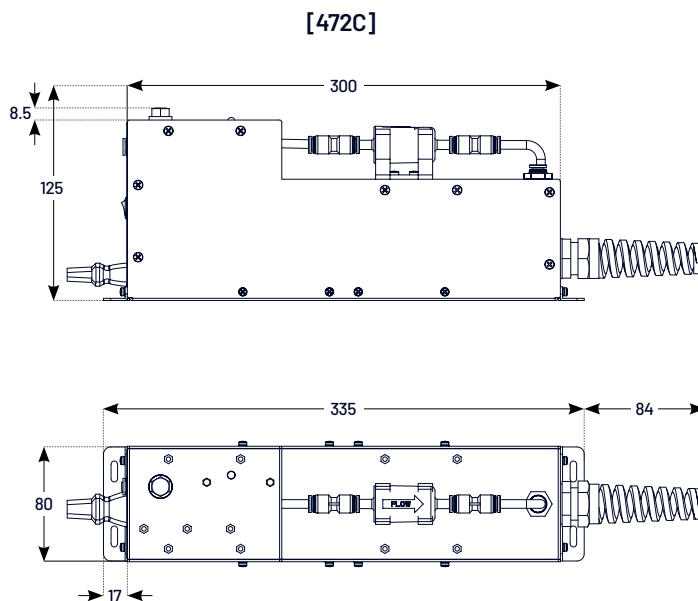
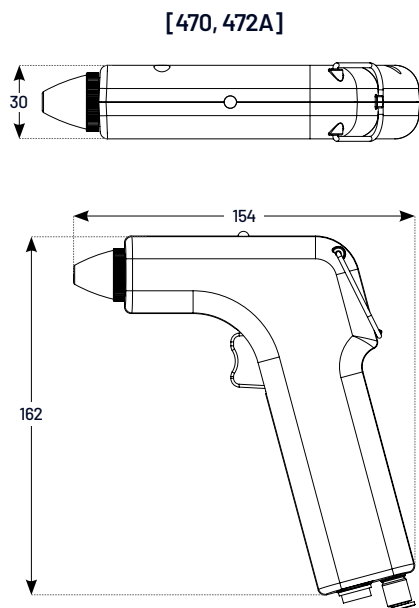
Model 470 Series is an ergonomic design gun ionizer. Designed to particle removal on charge surface along with clean dry air (CDA) and a compact size allows easy to use. Model 470 is optimized for particle removal applications, while Model 472A further provides fast discharge capability with a built-in HEPA filter that removes moisture, oil, and other contaminants from the supplying air. CoreStat® Self-Balanced Technology to maintain low offset voltage with no induction fields that can cause ESD damage from AC ionizers. CoreStat® technology does not requires grounding and LED on the gun indicates ionizer status.



SPECIFICATIONS

	470	472A
Input Voltage	24V DC, 2.0 W Max	
Ion Emission	Steady-State DC Technology	
Ion Balance	Less than ± 15 V average	
Discharge Time	Single Crystal Silicon Emitter : Less than 2 seconds at 150 mm / Tungsten Emitter : Less than 1 second at 150mm	
Emitter Point	Tungsten 99.99%	Single Crystal Silicon or Tungsten Emitter
Air Pressure	0.1 to 0.5 MPa	
Air Inlet	6mm Inlet	
Operating Environment	Temperature: 15 - 35 °C, nominal / Humidity: 35 - 75% RH	
Material	Enclosure: ABS plastic, Nozzle: Teflon	
Dimensions & Weight	154 W x 162 H x 30 D, 215 g	Model 472 : 154 W x 162 H x 30 D, 210 g Model 472C : 420 W x 134 H x 80 D, 1.5 kg
Warranty	1 year limited warranty	
Certification	  	

SIZE & DIMENSIONS (mm)



PRODUCT INFORMATION

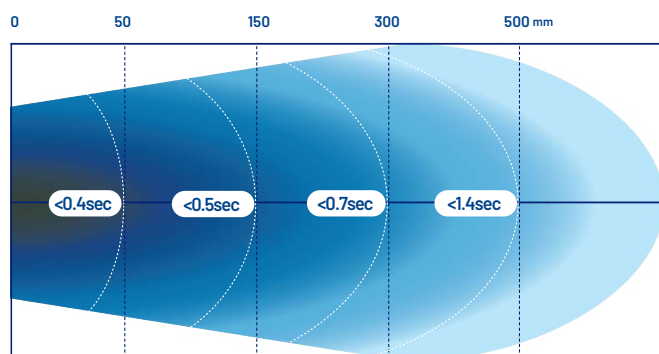
Model 470	Versatile Application
Model 472A	Cleanroom Application Available to Adjust Air Pressure & Volume (Model 472C)



RELATED PRODUCTS

Model 5233ES	Single Crystal Silicon Emitter
Model 5360EP	Tungsten (99.99%) Emitter
Model 472C	Compressed Air Controller Model 472 Cleanroom Compatible Gun Only
Model 5470F	HEPA Filter for Model 472C

DISCHARGE TIME



* Discharge time and balance measured according to ANSI/ESD STM3.1 using a Charge Plate Monitor(CPM)

