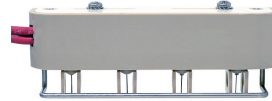




ADVANCED ESD PROTECTION MICRO SERIES



Micro Series	5941	5822i	4612 Mini	fusION & fusION AA	Micro S & SA
Feature	• $\pm 3V$ or better balance • Warning/alarm 2 level notification • Compact Size • Auto-clean System • Collimator option	• Small footprint • FMS connection, audible alarm • $\pm 3V$ or better balance, $\pm 1V$ w/Novx System • Separate Control Box	• Designed to provide closed-loop feedback control static neutralization in environments with low to elevated temperatures from 58°F to 302°F (-50°C to +150°C); enclosed in hi-temp PEEK chassis	• Auto-balancing • fusION: increase performance with optional fan assembly • fusION AA: Air-assist connection allows use of CDA or N₂ to improve performance • Visual status indicator & digital level remote alarm output	• Auto-balancing • Compact design • Micro S: No airflow operation • Micro SA: CDA airflow for better performance
Discharge	<4 sec @ 12" (30.5 cm) w/o collimator <3 sec @ 12" (30.5 cm) w/collimator	<2.5 sec @ 12" (30.5 cm)	Laminar Flow 10 sec @ 12" (30.5 cm) (100 fpm)	fusION w/o fan: <15 sec @ 6" (15.2 cm) w/fan: <10 sec @ 12" (30.5 cm) fusION AA: <5 sec @ 6" 10 psi gas pressure	Micro S: <10 sec @ 3" Micro SA: <8 sec @ 6" (0.71 cfm min airflow)
Balance	$\pm 3V$ or better	$\pm 3V$ or better, $\pm 1V$ with Novx	$\pm 10V$ or better	$\pm 50V$	Micro S: <$\pm 30V$ Micro SA: <$\pm 20V$
Ion Emissions	Steady-state DC Technology	Steady-state DC Technology	Steady-state DC Technology	Steady-state DC Technology	Piezoelectric Technology
Cleanroom Class	ISO 14644-1 Class 3	ISO 14644-1 Class 4	ISO 14644-1 Class 4	ISO 14644-1 Class 4	ISO 14644-1 Class 5
Airflow	17 cfm max	20.5 cfm	100 fpm CDA or N ₂ (99.99% purity) passing through	CDA or N ₂ (0.5-4 scfm @ 5-50 psi)	Ambient Airflow (200 fpm) Micro SA: CDA (0.35-1.06 cfm)
Dimension	4.33"H x 3.15"W x 1.60"D (11.0 x 8.00 x 4.06 cm) w/o bracket, w/o collimator 4.33"H x 3.15"W x 2.93"D (11.0 x 8.00 x 7.45 cm) w/o bracket, w/collimator	Blower: 4.57"H x 3.27"W x 3.47"D (11.6 x 8.31 x 8.81 cm) Control Box: 1.0"H x 5.2"W x 2.35"D (2.54 x 13.2 x 5.97 cm)	Ionizer: 4.50"L x 1.53"H x 1.08"W (11.4 x 38.9 x 2.74 cm) Sensor: 1.75 dia x 0.86"H (4.45 x 2.18 cm)	1.20"H x 1.28"W x 4.50"L (3.01 x 3.25 x 11.4 cm)	2.5"L x 1.6"W x 0.65"H (6.35 x 4.06 x 1.65 cm) Micro SA adds 0.40" (1.02 cm) to length of chassis
Weight	0.70 lb (0.32 kg) w/o collimator 0.72 lb (0.33 kg) w/collimator	Blower: 1.14 lb (0.52 kg) Control Box: 0.56 lb (0.25 kg)	Ionizer: 0.75 lb (0.34 kg) Sensor: 0.30 lb (0.136 kg) including cable	fusION w/o fan: 0.25 lb (0.113 kg) fusION w/fan: 0.30 lb (0.136 kg)	Micro S: 0.035 lb (0.016 kg) Micro SA: 0.042 lb (0.019 kg)