



DESCO EUROPE

DESCO EUROPE IONISER SELECTION CHART

Bench Top Ionisers

Item	<u>9110-NO</u>	<u>963E-NO</u>	<u>50670</u>	<u>50642</u>
Description	Bench Top Air Ioniser	Bench Top Air Ioniser	Bench Top Zero Volt Ioniser	Mini Zero Volt Ioniser
Image				
Fan Count	1	1	1	1
Maximum Airflow	108 CFM	112 CFM	100 CFM	51 CFM
Balance (Offset Voltage)	±15 V	±15 V	±3 V	±5 V
Discharge Time (@ 30.5 cm)	≤2 seconds	<2 seconds	<2 seconds	<3 seconds
Ion Emission	Steady-state DC	Steady-state DC	Steady-state DC	Steady-state DC
Special Feature	Automatic emitter cleaner	Auto-balance	Stainless steel enclosure	Compact size
Dimensions (H x W x L)	22.9 cm x 17.8 cm x 10.2 cm	22.9 cm x 21.6 cm x 11.4 cm	24.1 cm x 15.2 cm x 7.9 cm	13.5 cm x 8.9 cm x 4.3 cm
Weight	1.32 kg	1.13 kg	2.04 kg	0.5 kg
Certifications	UL, CE	UL, CE	CE	CE
Country of Origin	China	China	United States of America	United States of America

Per Table 3 EPA requirements of EN 61340-5-1, the test method for product qualification and compliance verification of ionisation is per IEC 61340-4-7 (ANSI/ESD STM3.1, product qualification being performed at 12 % RH and 23 °C; compliance verification being the basic test procedure). The limit for decay time is less than 20 seconds and the limit for offset voltage balance is less than +/- 35 volts.

NOTE: Offset voltage in volts and decay times in seconds are representative only and are not a guarantee. They are actual measurements recorded in a factory ambient environment. For compliance verification, measurements should be made at the location where ESD sensitive items are to be neutralised. A larger area may require additional ionisers. Use the selection chart and decay time figure in technical bulletins to determine the number of ionisers to achieve ionisation of the area to be neutralised to meet your company's ESD control plan specific decay times.

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Limited Warranty:
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Overhead Ionisers

Item	<u>9310-NO</u>	<u>50682</u>	<u>50681</u>	<u>50602</u>	<u>50603</u>	<u>50671</u>	<u>50672</u>
Description	Overhead Air Ioniser	Chargebuster® Overhead Ioniser	Chargebuster® Overhead Ioniser	Chargebuster® Overhead Ioniser with Lights	Chargebuster® Overhead Ioniser with Lights	Overhead Zero Volt Ioniser	Overhead Zero Volt Ioniser
Image							
Fan Count	3	2	3	2	3	2	3
Maximum Airflow	321 CFM	200 CFM	300 CFM	200 CFM	300 CFM	200 CFM	300 CFM
Balance (Offset Voltage)	±15 V	±10 V	±10 V	±10 V	±10 V	±3 V	±3 V
Discharge Time (@ 45.7 cm)	<3.5 seconds	<3 seconds	<3 seconds	<3 seconds	<3 seconds	<3 seconds	<3 seconds
Ion Emission	Steady-state DC	Steady-state DC	Steady-state DC	Steady-state DC	Steady-state DC	Steady-state DC	Steady-state DC
Special Feature	Automatic emitter cleaner	Auto-balance	Auto-balance	LED panel lights	LED panel lights	Superior balance	Superior balance
Dimensions (H x W x D)	12.7 cm x 106.7 cm x 17.8 cm	9.9 cm x 16.8 cm x 56.6 cm	9.9 cm x 16.8 cm x 94.7 cm	9.9 cm x 16.8 cm x 56.6 cm	9.9 cm x 16.8 cm x 94.7 cm	9.9 cm x 16.8 cm x 69.3 cm	9.9 cm x 16.8 cm x 107.4 cm
Weight	4.9 kg	3.18 kg	4.54 kg	3.18 kg	4.54 kg	3.18 kg	4.54 kg
Certifications	UL, CE	CE	CE	CE	CE	CE	CE
Country of Origin	China	United States of America	United States of America	United States of America	United States of America	United States of America	United States of America

Per Table 3 EPA requirements of EN 61340-5-1, the test method for product qualification and compliance verification of ionisation is per IEC 61340-4-7 (ANSI/ESD STM3.1, product qualification being performed at 12 % RH and 23 °C; compliance verification being the basic test procedure). The limit for decay time is less than 20 seconds and the limit for offset voltage balance is less than +/- 35 volts.

NOTE: Offset voltage in volts and decay times in seconds are representative only and are not a guarantee. They are actual measurements recorded in a factory ambient environment. For compliance verification, measurements should be made at the location where ESD sensitive items are to be neutralised. A larger area may require additional ionisers. Use the selection chart and decay time figure in technical bulletins to determine the number of ionisers to achieve ionisation of the area to be neutralised to meet your company's ESD control plan specific decay times.

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Forced Air Ionisers

Item	<u>19588</u>	<u>50621</u>	<u>980E</u>	<u>19595</u>
Description	Ion Python with Hand Gun and Hose	Ion Python with Hose and Foot Switch	Ionised Air Gun	Viper Ion Gun
Image				
Maximum Airflow	3.5 CFM @ 30 psi	3.5 CFM	2.3 CFM @ 30 psi	13 CFM
Maximum Input Pressure	100 psi	100 psi	65 psi	87 psi
Balance (Offset Voltage)	±20 V	±20 V	±30 V	±15 V
Discharge Time (@ 15.2 cm [30 psi])	<2 seconds	<2 seconds	<1 second	<0.5 second
Ion Emission	AC	AC	Steady-state DC	Piezo AC
Special Feature	High air pressure	Foot pedal switch	Ergonomic gun design	No remote console
Gun Dimensions (L x W x D)	21.6 cm x 4.6 cm x 2.5 cm	21.6 x 4.6 x 2.5 cm	20.3 x 7.6 x 2.5 cm	6.5 x 13.7 x 2.5 cm
Console Dimensions (L x W x D)	12.9 cm x 16.3 cm x 18.0 cm	12.9 cm x 16.3 cm x 18.0 cm	21.6 cm x 7.6 cm x 4.1 cm	-
Gun + Hose Weight	0.45 kg	0.45 kg	0.36 kg	0.18 kg
Console Weight	2.13 kg	2.13 kg	0.32 kg	-
Certifications	Intertek, CE	Intertek, CE	UL, C-UL, CE	CE
Country of Origin	United States of America	United States of America	China	Japan

Per Table 3 EPA requirements of EN 61340-5-1, the test method for product qualification and compliance verification of ionisation is per IEC 61340-4-7 (ANSI/ESD STM3.1, product qualification being performed at 12 % RH and 23 °C; compliance verification being the basic test procedure). The limit for decay time is less than 20 seconds and the limit for offset voltage balance is less than +/- 35 volts.

NOTE: Offset voltage in volts and decay times in seconds are representative only and are not a guarantee. They are actual measurements recorded in a factory ambient environment. For compliance verification, measurements should be made at the location where ESD sensitive items are to be neutralised. A larger area may require additional ionisers. Use the selection chart and decay time figure in technical bulletins to determine the number of ionisers to achieve ionisation of the area to be neutralised to meet your company's ESD control plan specific decay times.

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