





DESCO IONIZER SELECTION CHART

BENCHTOP IONIZERS

Product Series	High Output Benchtop Ionizer	Benchtop Zero Volt Ionizer	Mini Zero Volt Ionizer	Chargebuster™ Plus Benchtop Ionizer
				
Part #	60505 60515	50663 50670 50690 50691	50642	60503
Fan Count	1	1	1	1
Maximum Airflow	100 CFM	100 CFM	51 CFM	128 CFM
Balance (Offset Voltage)	±3V	±3V	±5V	±10V
Discharge Time	<2 seconds @ 1 ft.	<2 seconds @ 1 ft.	<3 seconds @ 1 ft.	<1 seconds @ 1ft.
Ion Emission	Steady-State DC	Steady-State DC	Steady-State DC	Steady-State DC
Special Feature	Active balance	Stainless steel enclosure	Compact size	Automatic emitter point cleaner
Dimensions	9.5 H x 6.0 W x 3.1 D in.	9.5 H x 6.0 W x 3.1 D in.	5.3 H x 3.5 W x 1.7 D in.	7.9 H x 6.7 W x 2.8 D in.
Weight	4.5 lbs.	4.5 lbs.	1.1 lbs.	3.2 lbs.
Certifications	CE	CE	CE	UL, CE
Country of Origin	United States of America	United States of America	United States of America	Japan

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COMPRESSED AIR IONIZERS

Product Series	Chargebuster™ Ion Gun	Viper Ion Gun	Ion Python
			
Part #	19590 19599	19595	19587 19588 50620 50621
Maximum Airflow	2.3 CFM @ 30 psi	13 CFM	3.5 CFM
Maximum Input Pressure	65 psi	87 psi	100 psi
Balance (Offset Voltage)	±30V	±15V	±20V
Discharge Time	<1 second @ 6 in. (30 psi)	<0.5 second @ 6 in. (30 psi)	<2 seconds @ 6 in. (30 psi)
Ion Emission	Steady-State DC	Piezo AC	AC
Special Feature	Ergonomic gun design	No remote console	High air pressure
Gun Dimensions	8.0 L x 3.0 W x 1.0 D in.	6.5 L x 5.4 W x 1.0 D in.	8.5 L x 1.8 W x 1.0 D in.
Console Dimensions	8.5 L x 3.0 W x 1.6 D in.	-	5.1 L x 6.4 W x 7.1 D in.
Gun + Hose Weight	0.8 lbs.	0.4 lbs.	1.0 lbs.
Console Weight	0.7 lbs.	-	4.7 lbs.
Certifications	UL, C-UL, CE	CE	Intertek, CE
Country of Origin	China	Japan	United States of America

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OVERHEAD IONIZERS

Product Series	Chargebuster™ Overhead Ionizer		Chargebuster™ Overhead Ionizer (with Lights)	
				
Part #	50682 60640	50681 60473	50602 60467	50603 60468
Fan Count	2	3	2	3
Maximum Airflow	200 CFM	300 CFM	200 CFM	300 CFM
Balance (Offset Voltage)	±10V	±10V	±10V	±10V
Discharge Time	<3 seconds @ 18 in.	<3 seconds @ 18 in.	<3 seconds @ 18 in.	<3 seconds @ 18 in.
Ion Emission	Steady-State DC	Steady-State DC	Steady-State DC	Steady-State DC
Special Feature	Active balance	Active balance	LED panel lights	LED panel lights
Dimensions	3.9 H x 6.6 W x 22.3 D in.	3.9 H x 6.6 W x 37.3 D in.	3.9 H x 6.6 W x 22.3 D in.	3.9 H x 6.6 W x 37.3 D in.
Weight	7.0 lbs.	10.0 lbs.	7.0 lbs.	10.0 lbs.
Certifications	CE	CE	CE	CE
Country of Origin	United States of America	United States of America	United States of America	United States of America

The ESD Association's ANSI/ESD S20.20 requires insulators/isolated conductors that charge to:

- 125 volts or more be kept 1 inch or more away from ESD sensitive items.
- 1000 volts or more be kept 12 inches or more away from ESD sensitive items.

There are 3 options available for handling insulators/isolated conductors in an EPA:

1. Move the insulators/isolated conductors beyond the 1 inch and 12 inch requirements from ANSI/ESD S20.20 2021.
2. Replace the non-ESD version of insulators/isolated conductors with an ESD protective version of insulators/isolated conductors.
3. Use air ionization to neutralize charges on insulators/isolated conductors.

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