





# DESCO IONIZER SELECTION CHART

## BENCHTOP IONIZERS

Product Series	Benchtop Blower	High Output Benchtop Ionizer	Benchtop Zero Volt Ionizer	Mini Zero Volt Ionizer
		 <b>BEST PERFORMANCE</b>	 <b>BEST PERFORMANCE</b>	
Fan Count	1	1	1	1
Maximum Airflow	117 CFM	100 CFM	100 CFM	51 CFM
Balance (Offset Voltage)	±5V	±3V	±3V	±5V
Discharge Time	<2 seconds @ 1 ft.	<2 seconds @ 1 ft.	<2 seconds @ 1 ft.	<3 seconds @ 1 ft.
Ion Emission	AC	Steady-state DC	Steady-state DC	Steady-state DC
Special Feature	High airflow	Active balance	Stainless steel enclosure	Compact size
Dimensions	9.0 H x 11.0 L x 7.0 D in.	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.
Weight	13 lbs.	4.5 lbs.	4.5 lbs.	1.1 lbs.
Certifications	Intertek, CE	CE	CE	CE
Country of Origin	United States of America	United States of America	United States of America	United States of America

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# DESCO IONIZER SELECTION CHART

## OVERHEAD IONIZERS

Product Series	Chargebuster® Overhead Ionizer		Chargebuster® Overhead Ionizer (with Lights)		Overhead Zero Volt Ionizer	
					 <b>BEST PERFORMANCE</b>	 <b>BEST PERFORMANCE</b>
Fan Count	2	3	2	3	2	3
Maximum Airflow	200 CFM	300 CFM	200 CFM	300 CFM	200 CFM	300 CFM
Balance (Offset Voltage)	±10V	±10V	±10V	±10V	±3V	±3V
Discharge Time	<3 seconds @ 18 in.	<3 seconds @ 18 in.	<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	Steady-state DC	Steady-state DC
Special Feature	Active balance	Active balance	LED panel lights	LED panel lights	Superior balance	Superior balance
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.	3.9 H x 6.6 W x 27.3 D in.	3.9 H x 6.6 W x 42.3 D in.
Weight	7.0 lbs.	10.0 lbs.	7.0 lbs.	10.0 lbs.	7.0 lbs.	10.0 lbs.
Certifications	CE	CE	CE	CE	CE	CE
Country of Origin	United States of America	United States of America	United States of America	United States of America	United States of America	United States of America

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## COMPRESSED AIR IONIZERS

Product Series	Chargebuster® Ion Gun	Viper Ion Gun	Ion Python
		 <b>BEST PERFORMANCE</b>	
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

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 2014.
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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