IONISER SELECTION CHART

This chart has been provided to help you determine the ioniser that best fits your needs. If you have further questions or would like a unit to evaluate, contact the Charleswater Customer Service Department.

Model	Type	# of Fans	Airflow Rate	Offset Voltage Balance	Decay Times	Alarms	Special Features	Technical Bulletin
50642	Bench Top	1	24 L/s	±5V	< 3 seconds at 30 cm	Visual & Audio	Compact size	TB-6590
50670	Bench Top	1	47 L/s	±3V	< 2 seconds at 30 cm	Visual & Audio	Sense feedback balancing SIM software compatibility	TB-6533
50682	Overhead	2	94 L/s	±10V	< 3 seconds at 46 cm	Visual & Audio	3 fan speeds	TB-6545
50681	Overhead	3	142 L/s	±10V	< 3 seconds at 46 cm	Visual & Audio	3 fan speeds	TB-6545
50671	Overhead	2	94 L/s	±3V	< 3 seconds at 46 cm	Visual & Audio	Sense feedback balancing SIM software compatibility	TB-6534
50672	Overhead	3	142 L/s	±3V	< 3 seconds at 46 cm	Visual & Audio	Sense feedback balancing SIM software compatibility	TB-6534
50621	Compressed Air	N/A	2 L/s @ 2 bar	±25V	< 2 seconds at 15 cm	N/A	Mountable nozzle 7 bar max input	TB-6530
50623	Compressed Air	N/A	2 L/s @ 2 bar	±25V	< 2 seconds at 15 cm	N/A	7 bar max input	TB-6530
50644	Compressed Air	N/A	2 L/s @ 2 bar	±30V	< 1 second at 15 cm	N/A	Steady state DC Ergonomic hand gun	TB-6559

Per Table 3 EPA requirements of EN 61340-5-1 Edition 1.0, the test method for product qualification and compliance verification of ionisation is per ANSI/ESD STM3.1 (product qualification being performed at 12 % RH and 23 degrees 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 +/- 50 volts.

NOTE: Offset voltage balance 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 to identify the optimal ioniser for your application. Note: if a faster decay time is desired, it will typically requiring using a greater number of ionisers. See Decay Time coverage figure in technical bulletins.