

Crystal Clean Air™ 10" Max

Ionization Product Specifications

Product Summary

The Crystal Clean Air™ 10" Max is the Gold Standard in Air Purification Technology. The Max is UL-867, and CA Carb emissions certified. These units are designed for room installation to proactively attack airborne viruses directly at the breathing zones. Crystal Clean Air's™ 10" Max works independently or in conjunction with the HVAC system. Crystal Clean Air units are manufactured in East Texas and feature a "Plug and Play" industrial grade construction, whisper quiet acoustics, wireless variable speed control, purge mode, 180 degree discharge pattern, and Crystal Clean Air's™ proprietary needlepoint ionization technology. The units require little to no maintenance, and are portable, or can be wall mounted. The advanced aero-acoustical discharge ports coupled with our proprietary ionization technology, optimize the ion plume discharge, and increases the ion's life span to correspond geometrically to the room's breathing zones. The result is a continuous discharge of millions of ions saturating the room's the breathing zones. Thus, mitigating airborne pathogens and creating Crystal Clean Air™.

Total Ion Output

Distance from the Device	Fan Setting					
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
5 ft	1,000,000	1,200,000	1,400,000	1,600,000	1,700,000	1,800,000
10 ft	390,000	575,000	650,000	710,000	745,000	825,000
15 ft	240,000	330,000	380,000	470,000	525,000	580,000
20 ft	155,000	170,000	240,000	325,000	365,000	400,000
25 ft	110,000	140,000	200,000	280,000	310,000	375,000

Units for the ion output are Ions/cm³

* Area coverages vary based on factors such as room cleanliness, room layout, ion to air saturation levels and other variables.

Benefits



Pathogens Neutralized (Bacteria, Viruses, Mold), Helps to Control Allergens/ Asthma*, Prevents Sick Building Syndrome



Particle Reduction and Smoke Control



Odors Neutralized by destroying VOCs



At the maximum air flow of 946 cfm, the estimated annual operating cost (based on \$0.08 per kW) is less \$90 annually.

Standard Features

This standalone indoor wall mounted air purifying unit comes with a wireless remote to control the fan speed.

The unit covers 1000-2000 square feet.*

Little to no maintenance required!

Commercial Applications

- ✓ Schools and Universities
- ✓ Healthcare
- ✓ Gyms
- ✓ Public Restrooms
- ✓ Hospitality
- ✓ Restaurants
- ✓ Super Markets
- ✓ Worship
- ✓ Senior Living Facilities
- ✓ Office Building Lobby
- ✓ New Construction



Important Information

Be wary of competitors ion output claims. Typical measurements taken directly at the needlepoint brushes can be misleading due to many factors. For ionizers to be effective, the ions have to be concentrated in the breathing zones. Ionizers placed inside HVAC air distribution systems, including, air handlers, ducts, VAV terminals, dampers, and diffusers, will most likely produce little to no ions in the actual breathing zone, especially after discharging through a supply diffuser designed for the Coanda effect. Ions have a limited life and the more surfaces and particles they come in contact with, the faster they become neutralized. Through our testing, ionization devices not installed directly in the breathing zone are not conducive for maximizing ion output at the breathing zone. Please reference our Max and Mini for maximum ion saturation levels directly at the breathing zone. Crystal Clean Air™ products are rated and tested for ion output from 2 feet to 40 feet away from the ion brushes, directly at the breathing zone in real world conditions.



"Breathe with Ease"

For more information contact

Sales@HVACMFG.com

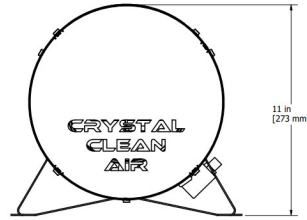
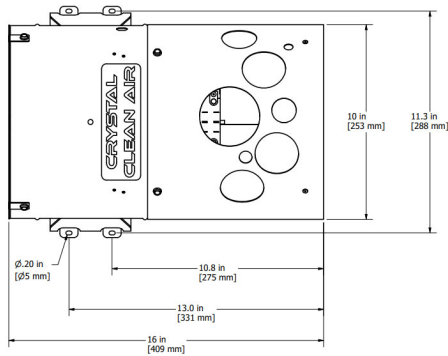
(866) BUY-HVAC

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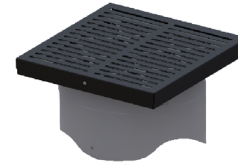
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Ionization Product Specifications



Optional Features and Equipment



Fan Filter
Model No.
IFM10-01



Portable Stand
Model No.
IAATPD-01

Specifications

Model	IAA103M1-03
Unit Dimensions	10" Diameter (253) /16" Length (409) (mm)
Material Casing	Powder Coated Steel
Plug Length	7 Feet
Fan	6-pole Brushless EC with Auto-Restart Lock Protection and Soft Start
Airflow Capacity	946 CFM
Area Coverage	1000 – 2000 sq ft*
Max Speed	3,200 RPM
Sound Output	30 – 65 dB (Tested with Filter)
Speed Controller	PWM, 0 – 10V, 6 Speed Wireless Remote
Fan Bearings	Dual Ball NMB
L10 Life Expectancy	70,000 Hours
Weight	16 lbs.
Operating Temperature	15°F (-10°C) to 140°F (60°C)
Electrical: Voltage Input	110 – 120 Vac
Power Consumption	126 Watts
Frequency	50/60 Hz
Current	1.8 A
Certifications	UL 867 ETL Listed, fan conforms to UL Standard 507, Fan Blade UL 94V-0



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