



Project: _____
 Location: _____
 Cat. #: _____
 Type: _____
 Quantity: _____

Powered by  Biotechnology

ADB 7000-MT | Cold Plasma Generator - Mobile Tower

Overview:

ADB systems activate ambient air using proprietary Modulated Dielectric Barrier Discharge that generates a safe, chemical-free non-thermal (cold) plasma. Highly reactive molecules from the plasma are distributed throughout the space via integrated turbine to neutralize microbes (viruses, bacteria & mold) and VOCs in the air and on surfaces. This cold plasma treatment is continuous, controlled, and consistent.

- Run time automatically optimized based on room-size and system-output parameters.
- Integrated turbines draw air into the unit and distributes treatment into the space. Supplemental fans may be necessary to evenly distribute treatment throughout the entire space.
- MERV 11 filters help keep reaction chambers clean and working properly. Filters should be inspected regularly and replaced accordingly, depending on condition.

Features:

- Provides a rapid air quality solution for unoccupied spaces, neutralizing up to 99.99% of viruses (influenza, norovirus, etc.) and bacteria within minutes.
- Integrated HMI screen enables room-size and system-output adjustments, with run time automatically optimized based on selected parameters.
- Remote connection via Wi-Fi allows you to monitor time remaining on cycle
- Four high-velocity fans distribute treatment over very large areas at about 450 CFM
- Low power consumption
- No toxic chemicals or irradiation
- Used for over 20 years and is installed in thousands of locations, worldwide

Certifications:

- Meets UL867 standard
- Meets California Air Resource Board ozone emissions limit - CARB certified

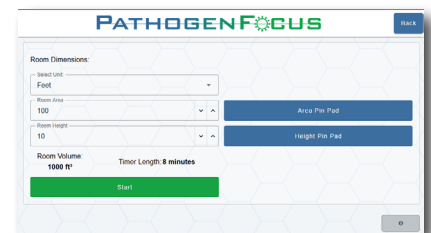
Applications:

Suitable for common area applications - indoor, unoccupied spaces

- Government Buildings
- Hospitality
- Healthcare
- Fitness/Locker Rooms
- Food/Meat Processing
- K12/Higher Education
- Offices
- Industrial/Commercial
- Restaurants
- Retail
- Casinos

Construction:

- Cabinet constructed of powder coated aluminum
- 6' Cord with 120V plug standard; 230V optional, specify plug type
- (4) MERV 11 filters



Ordering Guide:

Series	-	Model	Voltage / Plug
ADB 7000	-	8MT	
ADB 7000		8MT Mobile Tower; 8 Power Generators	Blank 120V / 6' Cord, Type B Plug 230V 'p' 230V / 6' Cord, 'p' = specify plug type

Plug Types ('p'):

- D Type D, 230V
- E Type E, 230V
- F Type F, 230V
- G Type G, 230V
- H Type H, 230V
- I Type I, 230V
- J Type J, 230V
- K Type K, 230V
- L Type L, 230V

Specifications:

Model	Operation Frequency	Amps	Max Power	Voltage	Turbine CFM	Weight
ADB 7000-8MT	50/60 Hz	1.42A	170W	120V	~450	102 lbs.
ADB 7000-8MT 230V	50/60 Hz	0.74A	170W	230V	~450	102 lbs.

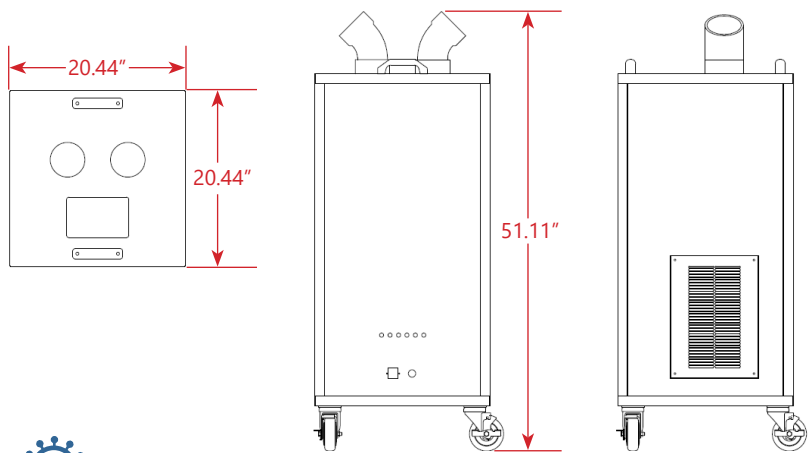
Efficacy:

Treatment time to full extinction of surface and air samples

Pathogen:	Surface Bacteria (CFU/cm²)	Surface Virus (CFU/cm²)	Airborne Bacteria (CFU/m³)	Airborne Virus (CFU/m³)
Time to extinction, 2,860 cubic feet¹:	10 minutes	5 minutes	1 minute	0.5 Minutes
Time to extinction, 8,000 cubic feet²:	30 minutes	15 minutes	10 minutes	10 minutes
Log/Percent Reduction:	7.88 / 99.99998	7.74 / 99.99998	7.85 / 99.99998	7.70 / 99.99998

¹From independent lab testing
²Estimate from an independent lab

Schematic:



User Guide

No part of this document may be used for any purpose other than the purposes specifically indicated herein nor may it be reproduced or transmitted in any form or by any means, electronic, or mechanical, including photocopying and/or recording for any purpose without permission from the manufacturer.

This information appearing in this document is for general purposes only. The manufacturer makes no warranty of any kind with regard to the information appearing in this document including, but not limited to, implied warranties of merchantability and/or fitness for particular use or purpose. The manufacturer assumes no responsibility for the results, direct and/or indirect, of any misuse of the information appearing in this document nor for any use of the manufacturer product offering referred to herein in any manner deviating from the recommendations made in this document. The manufacturer assumes no responsibility for the use of any parts, components, or other ancillary appliances including circuitry other than as recommended hereunder or other than that embodied in the product.

Guidelines For User Safety And Equipment

Protection symbols are used to highlight information relating to the user's personal safety and protection of the equipment throughout this guide. Do not operate the equipment without prior consulting with a representative.

When any of the following symbols appear, the associated information must be read carefully and understood fully. Operate the system through its controller.

Warnings



WARNING

The identified danger can cause physical and property damage



DANGER

The identified danger can cause severe physical and property damage. This symbol relates specifically to electrical danger.

Under no circumstances will the manufacturer be liable or responsible for any consequential damage that may arise as a result of the installation or use of this equipment. All examples and diagrams shown in this guide are intended to aid understanding. They do not guarantee operation. The manufacturer accepts no responsibility for the actual use of this equipment based on these examples.

Due to the great variety of possible applications for this equipment, the user must assess the suitability of this product for specific applications.

Equipment described herein is recommended based on the room temperature, type of process, the air circulation of the room, and overall size of the room. The user of this product further acknowledges that in order for the equipment to achieve optimal results, there must be sufficient air circulation, a somewhat enclosed treated area, and when applicable, proper ventilation in the packaging of stored/palletized product(s).

