

Aerosol Treatment Chamber



- *Negative pressure booth for staff protection from infectious patients during aerosol generating procedures*
- *Pressure monitor with digital display and audible alarm*
- *>140 ACH (Air Changes per Hour)*
- *External nebulizer shelves*
- *Stainless steel base and hinges*
- *Easy transport within your facility on smooth rolling, heavy duty casters*

AeroMed® Integrity

As a trusted partner for critical environmental applications, we are committed to serving our clients' needs with integrity, honesty and trust.

AeroMed® Reputation

AeroMed environmental infection control products are used by healthcare facilities and clinical researchers around the world.

AeroMed® Engineering

AeroMed products are designed specifically for critical applications like yours. We have unparalleled product flexibility leading to equipment that better fits your specific needs.

General Product Description

The AeroMed® ATC is an aerosol treatment chamber designed to protect healthcare staff during sputum induction procedures or the administration of Pentamidine treatments.

The CDC states, “When a cough-inducing or aerosol generating procedure must be performed on a patient with suspected or confirmed infectious TB disease, use a local exhaust ventilation device (e.g., booth or special enclosure).”¹

The patient sits in the booth during the procedure. Air is drawn into the booth through a pre-filter on the top of the unit. The air is then drawn past the patient and through a HEPA filter that is located under the seat. The HEPA filter removes airborne particulate contaminants at a minimum removal efficiency of 99.97% on particles 0.3 microns in size.

This filtered air is exhausted from the back of the booth just above the floor. The process of exhausting filtered air from the treatment chamber creates negative pressure in the chamber relative to the surrounding area. This difference in pressure prevents potentially contaminated air from leaving the booth and possibly infecting others.

Shelves are provided on the unit's exterior to support a nebulizer or other equipment required to perform aerosol procedures.

The heavy-duty casters underneath the booth make it easy to maneuver to a testing location and easy to relocate as your plans evolve or change!

¹ Centers for Disease Control and Prevention. Guidelines for Preventing the Transmission of *Mycobacterium tuberculosis* in Health-Care Settings, 2005. MMWR 2005;54(No. RR-17): [page: 41].

AeroMed® AM-ATC-P Features



Air Exchange Rate - The volume of air being exhausted from the chamber is 115 CFM. This volume of exhaust means that the air within the chamber is exchanged in excess of 140 times per hour.

Construction - The chamber frame is constructed of 12-gauge galvanized steel that is powder coated. The clear window panels are formed from 3/16" polycarbonate for maximum durability, visibility and lighting.

HEPA Filter Specifications - Each AeroMed® HEPA filter shall be individually tested to have a minimum efficiency of 99.97% on 0.3-micron size particles. Each individual HEPA filter is labeled to show compliance with this efficiency requirement.

Monitoring - The AeroMed® ATC is provided with a pressure monitor and alarm that provides quantitative indication of proper operation. The monitor gives a continuous, real time display of the pressure differential between the room and the chamber interior. If the air pressure of the chamber interior becomes positive relative to the space outside of the booth, both an audible and visual alarm will activate. This helps to prevent the unsafe use of the chamber.



AM-ATC-P Specifications

<i>AeroMed Part No</i>	AM-ATC-P
<i>Dimensions:</i>	76.2" H x 31.25" W x 47.37" L Outside 69" H x 28" W x 42" L Inside
<i>Electrical:</i>	115 Volts, 0.9 Amps, 100 Watts
<i>Air Filters:</i>	Pre-filter: MERV 8 HEPA: Minimum efficiency of 99.97% @ 0.3 microns
<i>Air Volume:</i>	115 CFM (Cubic Feet per Minute)
<i>Weight:</i>	500 lbs
<i>Noise Level:</i>	< 55 dBa
<i>AC/H:</i>	>140
<i>Casters:</i>	Front: (2) 4" tall locking, swiveling wheels Rear: (2) 4" tall non-locking, non-swiveling wheels
<i>Handles:</i>	Door handles and patient handle are 304 stainless steel
<i>Hinges:</i>	All hinges are 304 stainless steel
<i>Cabinet:</i>	Base is 304 stainless steel Walls are 12-gauge, powder coated galvanized steel
<i>Windows:</i>	3/16" Polycarbonate



AeroMed® Innovation

AeroMed continues to drive the evolution of airborne infection control engineering in healthcare and all settings where healthy indoor air is a necessity.

AeroMed® Compliance

Through our products, services and consulting, AeroMed partners with your facility to achieve and maintain compliance with industry codes, standards and guidelines.

AeroMed® Experience

With over thirty-five years of experience in environmental infection control, AeroMed has unparalleled experience in the healthcare industry.

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