AirShield™

Owner's Manual

Made in USA

May 2021

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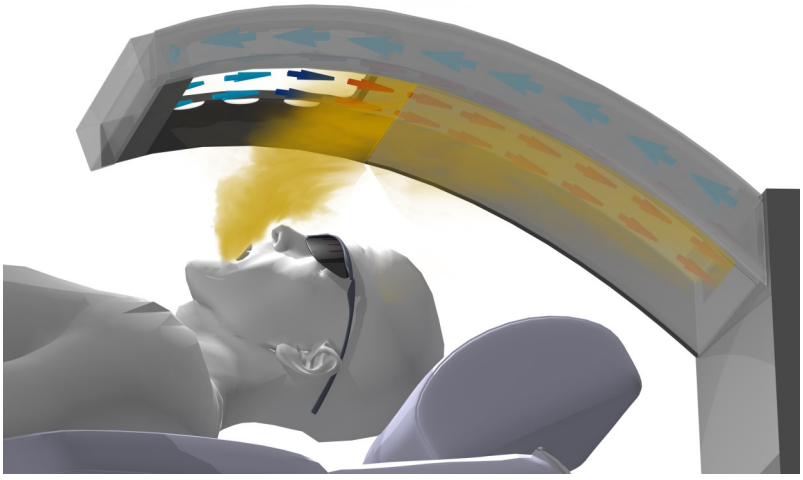
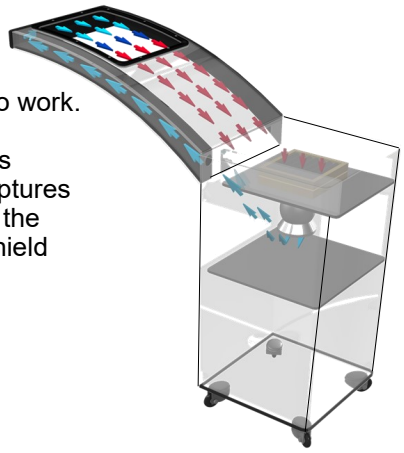


AirShield will greatly reduce dental procedure aerosols! Particulates will no longer float all over your office landing on instruments, tables, floors, your patient, your staff, and you!

Thank you for your purchase!

AirShield Features

Simple To Use
Lower the arm shield to turn ***AirShield*** filtration on. Raise the shield to turn filtration off. Easy! In this up position, ***AirShield*** is also easy to clean for faster room turnaround.

Aerosol Collection and Suction


AirShield's unique design starts by placing a physical barrier between you and your patient. The window positions about 10" above the patient and 10" below your eyes allowing plenty of unobstructed, 4-handed room to work.

Air is directed out to the end of the shield arm, then a gentle column of air is pushed back, under the curved view window, where a 176 CFM suction captures the air on the other side of the window. Aerosols and debris are pulled into the vacuum and through two medical grade HEPA filters. Our unique airflow-shield design allows for a large 12" x 12" work area. Much larger than any of the "suction-only" devices on the market.

Extremely Quiet
No Suction Sound. ***AirShield is NOT another ShopVac!***

Lighted View Window
80 LED's on all four sides of the view window automatically turn on when the arm is lowered flooding the patient mouth with bright light.

Cordless
No power cords to trip on! Its onboard battery allows the unit to run all day. Charge at night.
No other aerosol control device on the market has this exclusive feature.

Filtration
AirShield has a two stage, high efficiency, medical grade, HEPA air filtration system which captures debris, particulates, mercury vapors, BPA particles, bacteria, fungi, prions, and small viruses like COVID-19. ***AirShield*** monitors both filters' hourly usage. It then alerts you when a filter change is recommended.

Filter Changes
An easy access filter door makes changing the inexpensive ***AirShield*** filters a snap! Simply open the door, slide out the used filter directly into a bag, insert a new one, then close the door. The hourly use filter indicators automatically reset.

System Monitoring
Both the battery charge status and air flow are continuously monitored so you know that ***AirShield*** is working perfectly.

Compact - Easy to Move
The pedestal is just 12" x 12". It easily rolls on hard floors or carpets. Handles on all sides make it easy to position.

Removal from Box

CAUTION: Heavy box! 2 Person Lift.

Lay the box down. Open the long box flap. Raise the box up so 'This Side Up' labels are up.

Open the flaps, then using one of the handles to gently pull and slide AirShield out of the box.

2 Person lift: With each person using a side handle, lift AirShield up and out of the bottom foam. There are also two pieces of packaging foam in the pedestal base. To remove the foam blocks, lay AirShield down on its side so that the hinges do not move the arm.

Height Adjust

The pedestal cabinet height is adjustable.

Set the height by first determining where a patient reclines to in your dental chair. Position the AirShield view window about 10" from the patient's mouth. This height should then work for most patients and procedures.

Height Adjust Procedure:

1) Loosen the height adjust 'lock' knob.
2) Lower the AirShield arm.
3) Ask a staff member to sit in the chair and recline to your normal position.
4) Place your hands on both side handles of the pedestal and lift up until you hear a click. When you reach the height that you like, stop immediately after you hear the click. If you raise just past the click, then you can lower the pedestal height.

   There is 7 inches of total adjustment.
5) Tighten the knob firmly when the height that you desire is set.
6) Raise the arm.

Operation

Lower the Arm
Suction and Window LED's ON

Raise the Arm
Suction and Window LED's OFF

Moving AirShield

WARNINGS:
Only move AirShield with the arm in in the up position.

Use the pedestal base side handles to move AirShield.

DO NOT use the arm to move AirShield. However, slight patient adjustment movements are okay with the arm in the down position.

DO NOT put any weight on the AirShield arm when it is in the down position.

Filtered Air

Suction area into filters. Clean this area regularly. Do not spray onto this area directly. Spray first onto a paper towel or cloth, then clean the surface.

Cleaning

Gently clean the view window using an anti-bacterial cleaner and a micro fiber cloth

Use a mild anti-bacterial Cleaner and a micro fiber cloth on all surfaces including the view window. Be careful not to scratch the view window. Test with a small area before cleaning the entire device.

Clean this area regularly. Do not spray onto this area directly. Spray first onto a paper towel or cloth, then clean the surface.

Battery Charging

Plug the blue AirShield charger into a 110 volt wall outlet, then firmly insert the small plug into AirShield. See directions on the charger label for charging status.

When the Battery indicator light is not green, the AirShield battery needs charging.

Air Filters

The top filter should last for 20 hours of use. The bottom filter should last for 40 hours.

The indicator lights in the AirShield label will turn yellow when it's time to change filters.

Procedure: Push the filter door button to open the filter door. Push your hand into and through the plastic bag, then slowly pull out the filter into the bag. Slide in a new filter and close the door.

Air filters may also need to be changed if the **Air Flow** indicator is not green.

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