

# PORTABLE IAQ SOLUTIONS FOR YOUR COMMERCIAL SPACE



## CHECK OUT THESE GREAT PRODUCTS AT AUERSTEEL.COM

*SecureAire™*



Advanced Particle Control  
Technology

- Effectively conditions and collects particles down to 0.3 microns
- Deactivates bioaerosols including viruses and bacteria
- Absorbs and Adsorbs VOCs
- Portable and adaptable to nearly any appropriately-sized location
- Maximum 1000 CFM

**APS-1000X**

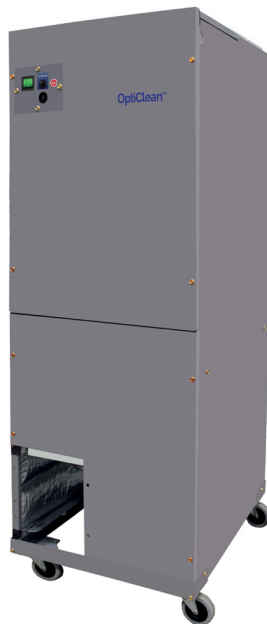
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## OPTICLEAN™ AIR SCRUBBER

Negative Air Machine

- 99.97% efficient, long-life HEPA filter removes particles as small as 0.3 microns
- Portable HEPA filtration for any application
- Heavy-duty, lockable casters for easy transport
- Maximum 1500 CFM



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# AIR CHANGE TABLE

The following table shows recommendations of air changes per hour (ACH) for specific buildings and rooms. These recommendations are based on guidelines provided by the CDC, ASHREA and other experts. These values have been gathered from multiple sources and are only meant to be used as a guide. The installing contractor should use their own professional judgement when finalizing CFM requirements. If you need additional help planning the Indoor Air Quality for a business or home, please call the Engineering Department at Auer Steel at 1-414-438-3390.

Occupancy	Recommended Air Changes with minimum protection / normal risk	Recommended Air Changes with high level protection/ high risk
Bar	6	12
Classrooms	2	6
Conference Room	4	8
Dental Office	2	6
Exam Room	6	10
Funeral Home	6	12
Lobbies	4	6
Office	2	6
Places of Worship	6	12
Residential	2	4
Restaurant	6	10
Retail Sales Floor	2	6
Retail Space	2	6
Waiting Room	4	8
Wedding Barns	6	12

In order to calculate the amount of CFM required to achieve a desired number of air changes per hour, the equation below is used. Information required for the calculation is Room Length, Room Width, Room Height, and Number of Air Changes.

$$(\text{Room Length} \times \text{Room Width} \times \text{Room Height}) \times \text{No. Air Changes}/60 = \text{CFM Required}$$

Example: A normal risk restaurant looking to provide the minimum recommended air changes would require approximately 8 air changes per hour. The restaurant seating area is 30 feet long, 20 feet wide and has 10 foot high ceilings.

$$(30' \times 20' \times 10') \times 8 \text{ Air Changes}/60 = 800 \text{ CFM}$$



**AUERSTEEL.COM**

**USE THIS QR  
CODE TO ACCESS  
THE AIR CHANGE  
CALCULATOR**

