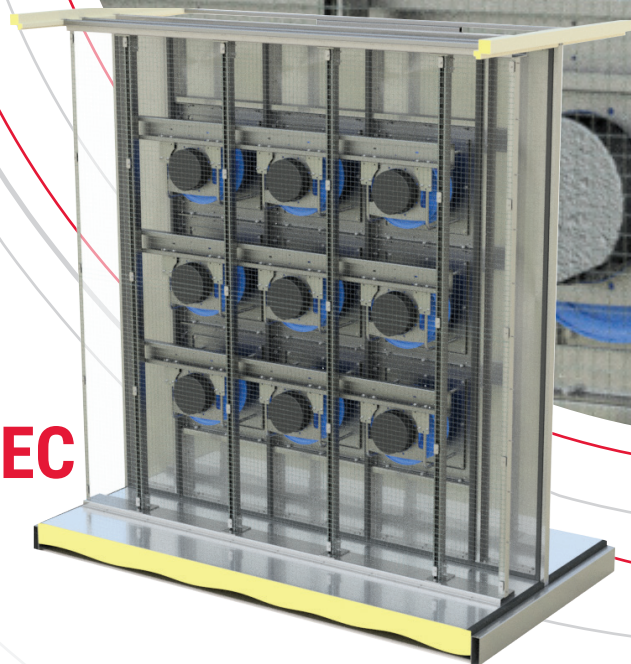


**NORTEK™**  
AIR SOLUTIONS

*Experts in Building Environments.™*



**FANWALL EC**



# A KEY CUSTOMER SOLUTION FROM NORTEK AIR SOLUTIONS

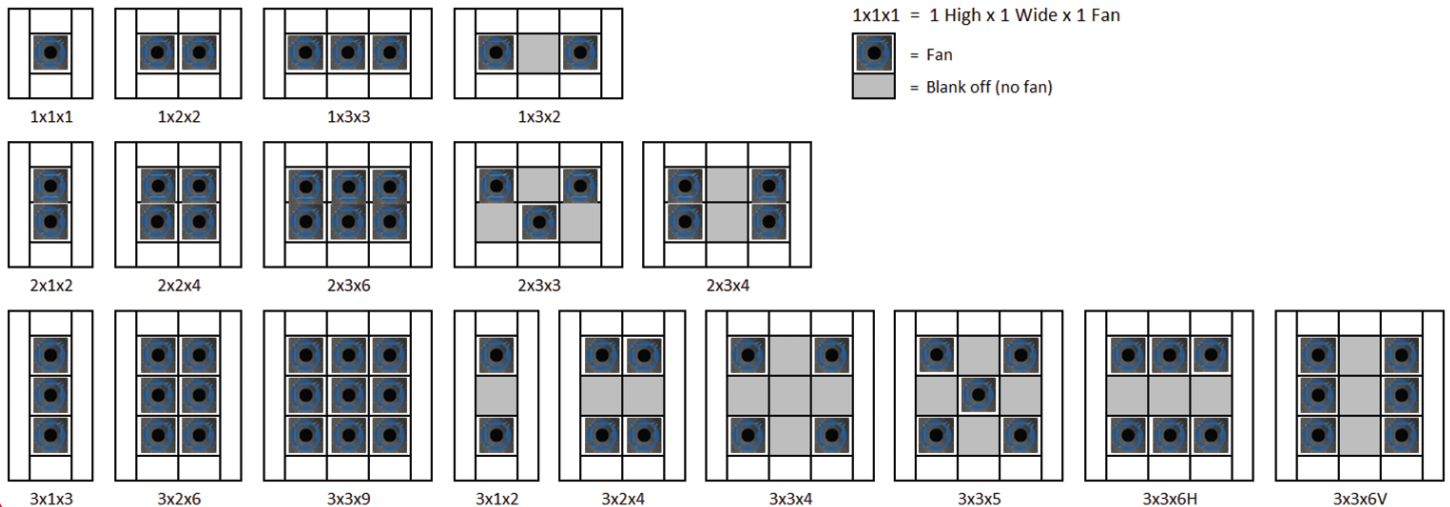
FANWALL EC is a complete, integrated fan system that is mounted to a bulkhead wall instead of being built from individual fan cells into an array like traditional FANWALL units. FANWALL EC is designed to offer a compact, value-priced solution.

- ✓ Flexible configuration
- ✓ Easy installation
- ✓ Rugged construction
- ✓ Low maintenance
- ✓ Reliable
- ✓ Small footprint
- ✓ Efficient
- ✓ Low sound levels
- ✓ Simple operation
- ✓ ETL listed

Fan Sizes Available: 12", 14", 16", 18", 20" & 22"

## Flexible Configuration

It can be used as a single fan, or several fans can be combined in a variety of configurations. Install FANWALL EC in a single line, or in more complex configurations to achieve the desired distribution of airflow. Up to nine FANWALL EC fans can be installed in a single 3 x 3 grid, and multiple grids can be added along the bulkhead wall to provide more airflow as needed.



## Rugged Construction

FANWALL EC is built tough for optimum strength and stability. The perimeter of the bulkhead wall is constructed with structural tubing with optimized structural internal supports assembled to provide strength and operational rigidity. Interior panels are constructed of galvanized steel with motor mounts set in heavy gauge steel for support.

## Reliable

Because FANWALL EC is made up of an array of fans, if one fan fails, the remaining fans can automatically ramp up to maintain airflow until the fan can be replaced, allowing for planned maintenance of the system.

## Efficient

Nortek Air Solutions' optional backdraft dampers automatically help prevent backflow in idled fans, with little impact on airflow while fans and motors are operating normally. When closed, the damper has an extremely low leak rate of 3.5 cfm/sq. ft. at 4" static pressure, which is less than half the 8 cfm/sq. ft. at 4" static pressure required for highest Class 1A rating of AMCA Standard 511. Alternative dampers used for the same purpose can introduce 0.5" to as much as 1.25" of static pressure penalty every minute the system is operating, with cataloged leak rates as high as 17.5 cfm/sq. ft. at 1" static pressure when they are closed.

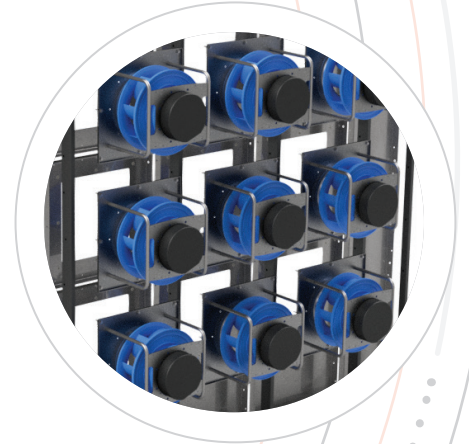


## Anti-Vibration

For vibration sensitive projects, an optional anti-vibration structure can be added on the discharge side of the fans to meet the requirements of AMCA/ANSI Standard 204-05. The structure still allows for easy removal of fans for service.

## Simple Operation & Low Maintenance

FANWALL EC is easy to operate, with a basic on/off analog control and BACnet® compatibility. There are no belts, sheaves, or greasing required, making them virtually maintenance-free. When selected, discharge screens will be added to the back of the uni-strut structure and held in place with standard uni-strut hardware, making it easy to remove the screen for service.



Specifications and illustrations subject to change without notice and without incurring obligation.