



CRITICAL ENVIRONMENT

VECTOR®

VECTOR®

STAINLESS
STEEL

STEEL

ALUMINUM

The VECTOR® radial air pattern diffuser from Tuttle & Bailey creates a low velocity, non-aspirating radial air pattern that properly balances air motion to maintain environmental integrity. Proper air distribution is key to the performance of critical room environments such as laboratories, clean rooms and test facilities. Improper or uncontrolled air flow can force contaminants into the work area, jeopardizing the safety of occupants and sensitive materials.

Critical environmental control depends on the ability to effectively manage air distribution throughout a space. Air must be continuously moved unidirectionally to ensure proper air motion. Conventional air diffusion systems are not capable of providing this type of room air motion. Most feature aspirating designs that mix supply and room air. This results in excessive cross drafts or spillage of unhealthy contaminants. For example, low velocities are required outside of ventilation hoods to prevent the induction of contaminants into the work space.

Tuttle & Bailey has elevated the science of air technology with the VECTOR® diffuser. The heart of the system is an engineered diffusion baffle, plus a combined fixed, longitudinally louvered and perforated face. This design produces a symmetrical, non-aspirating full radial flow pattern across the entire surface of the diffuser. Static pressure loss is minimized while air is distributed evenly, resulting in low room air velocities.

FEATURES

- Standard: 6" low-profile backpan
 1. Available in cold rolled steel, aluminum or 304 stainless steel
 2. Standard construction includes seismic tabs
 3. Hinged removable face allows for easy cleaning and maintenance
 4. Available in 180° configuration (2-way pattern) or 90° configuration (1-way pattern)
- HEPA Model: 8" deep backpan which accommodates a 2" HEPA filter
 1. Available in aluminum or 304 stainless steel
 2. Heavy duty backpan
 3. Available in 180° configuration (2-way pattern) only
 4. Stainless steel quarter turn fasteners for easy removal of face
 5. Two safety cables attached to the backpan and face provide safety for the installer and prevent product damage
 6. Convenient room-side replacement of filters

ACCESSORIES

- Optional HEPA filter available (see accessory section)

Available Sizes		
Model	Module Size (in.)	Neck Size (in.)
VECTOR®	24x24	6, 8, 10, 12
	48x24	10, 12
	48X12	6, 8



VECTOR®-H