

Air Purification Solutions

Industrial Market and Product Guide

for Odor, Air Quality and Corrosive Gas Filtration



MWV Air Purification Solutions

Industrial Market Guide

Pulp and Paper Mills



- Products originally designed for pulp and paper mills
- Long history of sales and service with activated carbon units
- Greater than 80% market share in U.S., Canada
- Protect electrical equipment from corrosive gases
- Remove odor and air contaminants from environment
- Air purification solutions for any size room

Petroleum Refinery Operations



- Fits on pre-fabricated or existing traditional buildings
- Compliant with NFPA* 496 standards
- Room pressurization in addition to gas-phase filtration
- HM technology does not require vacuum trucks
- Replaces troublesome HVAC hopper-style pellet systems
- Size, weight, and system configurations advantages for refineries

Waste Water Treatment Facilities



- Used in lift stations, motor control centers, control rooms and offices
- Custom designed odor control systems for solids tanks
- Cabinet units used extensively to protect touch screens and electronics

**National Fire Protection Association: Standard for Purged and Pressurized Enclosures for Electrical Equipment*

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Equipment Guide

Honeycomb Matrix Vapor Adsorber Units



- Customizable for new or existing buildings
- Economical, small footprint, energy efficient
- Excellent kinetics at 500 ft/min face velocity
- Sized from 100 cfm to 30,000+ cfm
- Protection of Electrical and Electronic Control Systems in Paper Mills, Oil Refineries and Wastewater Treatment Plants

Carbon Pellet Systems



- Traditional units using activated carbon pellets
- Larger units than comparable HM systems
- Ideal for odor, air contaminant removal
- 316L Stainless Steel, Severe Duty Motors
- 100 ft/min face velocity & Includes HEPA filtration
- Sized from 100 cfm to 6,000 cfm

Side Access Housing Unit



- Innovative design to scrub odors and corrosive gases
- Cleans re-circulated air reducing the need for costly unconditioned outdoor air in compliance with ASHRAE 62.1
- Designed for new or existing HVAC systems with low static pressure
- Replaces hopper style pellet units in existing refinery HVAC systems
- Can mate with existing ductwork and air handling units

Cabinet / Small Room Units



- Corrosion protection for electronic cabinets or small rooms
- Self-contained, modular units
- Directly mounted to cabinets or ducted from adjacent wall
- Easy to replace HM media cartridges for corrosive gas control
- 90 cfm unit pressurizes a 1,000 ft³ room with 5 air changes per hour
- Available in 10¹, 40, and 90 cfm sizes

1) 10 CFM units are available for sale exclusively in China.

Air Purification Solutions Honeycomb Matrix Guide

Honeycomb Matrix Modules



- Easy to install (no need for vacuum trucks)
- Economical, energy efficient
- Ideal for all industrial and commercial markets

Disposable Module Honeycomb Matrix (DMHM)



- HM technology to replace in-room system pellet V-beds
- Clean, dust-free compared to traditional pellet systems
- Much lower pressure drop compared to pellets

Contact your local MWV Specialty Chemicals sales professional today!

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