

# MNX Series Cartridge Collectors

## Standard Features & Equipment Options

Collector Design	Standard	Optional
Mild Steel Construction	X	
Stainless Steel Construction		X
High Temperature Construction		X
Direct Drive Fans		X
Chamber and Exhaust Silencers		X
Filter Cleaning System	X	
Inlets	X	
Abrasion Resistant Inlet		X
Air Management Modules		X
Extended Dirty Air Plenum		X
Ledge-Free Hopper	X	
Steep-Sided Hopper		X
2-Mod Hopper		X
Explosion Relief Vents		X
Sprinkler Taps	X	
Sprinkler Heads		X
Service Platform (OSHA Compliant)		X
Damper Pack		X
Drum-Full Indicator		X
Lined Clean Air Plenum		X
Bag-Out Kit (Filter & Discharge)		X
Bag-In/Bag-Out Kit (Filter & Discharge)		X
<b>Cartridge Filters</b>		
Nanofiber Filters	X	
HEPA Afterfilters		X
<b>Paint System</b>		
Prime Coated Interior	X	
Acrylic urethane finish over alkyd enamel primer. Paint system passes a 350-hr. salt spray test.	X	
Custom Color		X
Hostile Environment Coating		X
Epoxy Coating		X
<b>Hopper Discharge</b>		
Drum Cover and Hose		X
Slide Gates		X
Rotary Valve and Transitions		X
Screw Conveyors		X
<b>Electrical Controls, Gauges, and Enclosures</b>		
Solid State Timer in NEMA 4 Enclosure	X	
Delta P Control, Delta P Plus Control		X
Custom Panels		X
Magnehelic Gauge	X	
Photohelic Gauge Standard & Weatherproof		X
Basic Cold Climate Kit		X
Heavy-Duty Cold Climate Kit		X
Solenoid Enclosure (NEMA 7 & 9)		X

## Cartridge Filter Technology

**Nanofiber Filter Media** is the distinguishing factor in Monoxivent's cartridge filters. The Nanofiber Media traps more dust on the surface of the filter than conventional depth loading types of filter media such as cellulose, polyester, or cellulose/polyester blends. The resulting dust cake is easily cleaned off during the automated collector cleaning cycles, ensuring longest filter life and highest efficiency rated MERV 13 based on ASHRAE 52.2 test standards.

### Nanofiber Media



*Nanofiber filter media combines both large and small fibers to trap more particle sizes without restricting airflow.*

### Commodity Filter Media



*Conventional media has spaces of up to 60 microns between fibers, allowing dust to become deeply embedded thereby shortening filter life.*

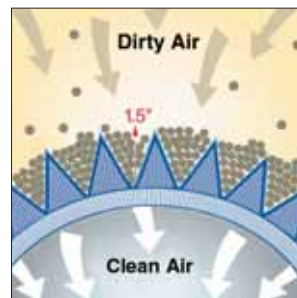
**MNX Filter Media Pleats** are shorter and stiffer, which helps minimize dust entrapment and simplify filter cleaning. With the 1.5" option, the pleat wall is less likely to collapse or bend, which can trap dust and prevent its release. However, the 2" option allows for more versatility with regard to CFM.

1.5" pleat: 190-sq. ft.

2" pleat: 254-sq. ft.

**MNX Cartridge Filters** downward airflow design delivers the highest filtration performance while using less energy. The MNX collector, its filter cleaning system, and the nanofiber filter cartridges together complete the most powerful dust collection solution available.

### MNX Series Filter 1.5" Pleat



### MNX Series Filter 2" Pleat

