



Senturion®

One Tough Dust Collector.
Unlimited Applications.

- Flexible configurations
- Durable construction
- Fast installation



A Dust Collector Built Around You

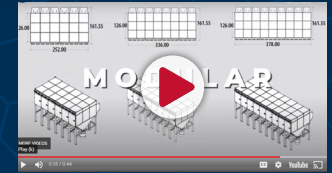
Senturion is built on an advanced modular system with components that fit together like building blocks. This modular design allows us to create a dust collection system that can be adapted for virtually any dust or fume collection application, configured around the physical constraints of your facility. By customizing air intakes, collection hoppers, explosion vents, modular after-filter systems, explosion and fire safety components, and other elements, we can configure the unit for nearly any application.

Click to see each feature video

Meet Senturion



Modular Design



Stack Silencer: Built-in stack silencer for quiet operation (optional)

After Filters: HEPA or activated carbon for control of gases, vapors, odors or ultrafine particulate (optional)

Filter Pulsing System: Advanced pulsing system maximizes pulsing efficiency along the entire length of the cartridge for longer filter life and easier maintenance.

Advanced Cartridge Filters: With advanced filter technology and more filter media, Senturion has the smallest footprint per CFM available—about 20% smaller than the competition. Crossflow technology creates an internal airflow pattern that optimizes filter performance.

Tough Cabinet Construction: Durable 7- and 11-gauge steel housing, powder coated inside and out for indoor/outdoor use—15-year workmanship guarantee!

SuperSeal Gate Dust Containment: Dust containment bin with optional SuperSeal Gate for dust containment and barrel sensor to monitor dust levels

Efficient Blower/Motor: Blower/motor combination designed for energy efficiency; Variable Frequency Drive (VFD) motor

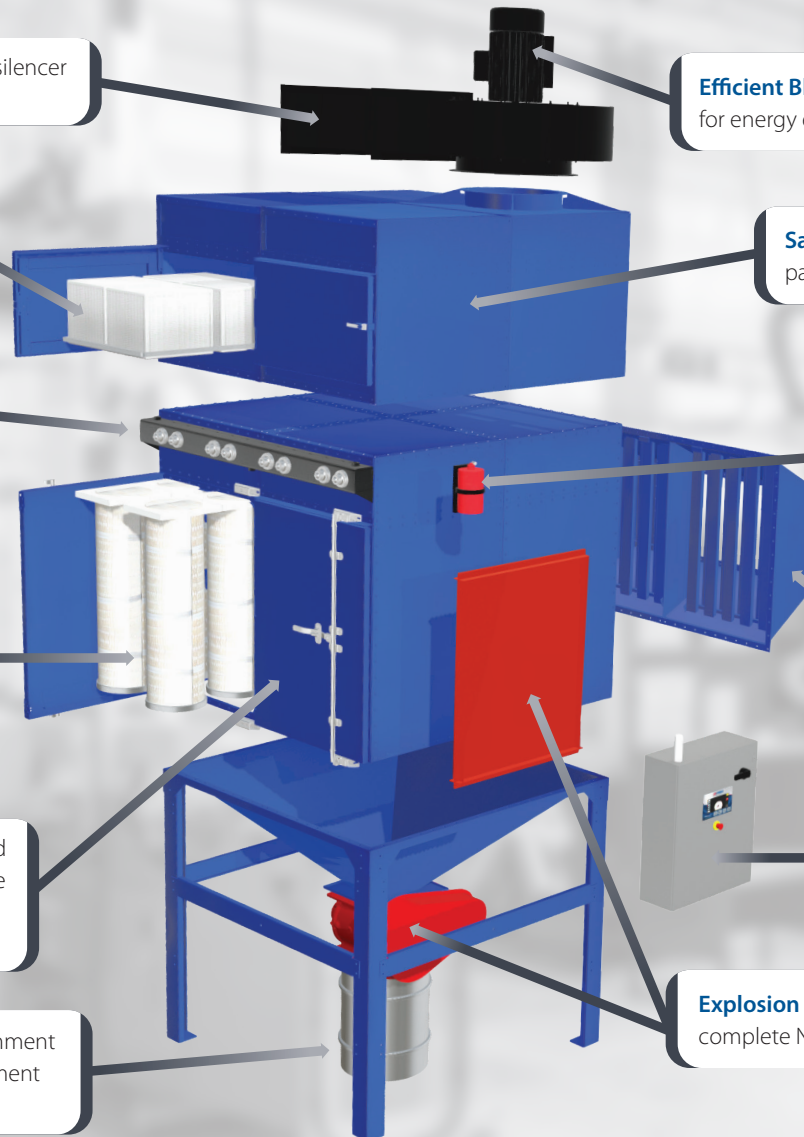
SafeSensor Particulate Monitor: Detects leaks past the filters and shuts down the blower

Fire Suppression (optional): Built-in fire suppression system (water, CO₂ or FM-200) for superior protection from thermal events

Standard Intake: Air intake reduces airspeed, allowing heavier dust to fall out of the airstream to extend filter life (ducted or ambient)

ePro Controls: 7" full-color HMI control dashboard with simple, intuitive touchscreen controls

Explosion Protection: Explosion vent (optional; part of a complete NFPA package for ST1 or ST2 combustible dust)





Learn more about Senturion

Find out why Senturion is the right choice for any application.

Build Your Senturion

- 1 **Configure Cartridge Frames**
 - 2-cartridge
 - 4-cartridge
- 2 **Choose Intake**
 - Standard
 - Abrasion-resistant
 - Dropout box
 - Ambient
- 3 **Choose Dust Containment & Hopper Style**
 - Dust tray
 - 20-gallon drum
 - 55-gallon drum
 - Multiple drum configuration
- 4 **Choose Fire Suppression &/or NFPA Packages**
 - SafeSensor™ Particulate Monitor (standard)
 - Internal fire suppression
 - NFPA ST1 or ST2 explosion protection (explosion vents, rotary airlock, upgraded doors)
- 5 **Add After-Filters (Optional)**
 - HEPA
 - Activated carbon



As shown, 6-cartridge dust collector RDC-2X3-6 with standard intake, upgraded door, FM-200 Fire Suppression, traditional hopper and 20-gallon drum.

The Most Versatile Dust Collector in the Industry

Senturion is ready to protect and serve against any type of particulate, from weld fume to abrasive blasting dust to heavy bulk-and-powder applications.



Welding



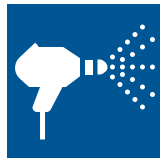
Metal Cutting



Grinding



Thermal Spray



Surface Prep



Food Processing



Plastics/FRP



Recycling



Seed Processing



Mining

Turnkey Solutions for Industrial Dust Collection & Ventilation

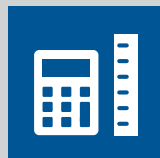
RoboVent is your turnkey provider for all of your toughest clean air challenges. We provide end-to-end solutions, including facility testing, system design and engineering, project management and installation, and preventive maintenance and repair. We can help you design, install and maintain your Senturion.



Equipment



Industrial
Air Filters



Facility Testing
& Engineering
Services



Project
Management
& Installation



Preventive
Maintenance

RoboVent®

Making a Difference One Breath at a Time.

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