

RotoClone® N



Bringing clean air to life.®

Reliable, high-performance wet dust collection for tough industrial applications

Discover the versatility and durability of the RotoClone® N, the ultimate solution for wet dust collection and filtration in industrial processes. Engineered for continuous operation with minimal maintenance, the RotoClone® N excels in both normal and heavy-duty applications. Its advanced wet dust collection technology ensures unparalleled efficiency in capturing and eliminating airborne particles. The robust design has options in heavy-gauge hot

rolled steel or stainless steel for corrosion resistance. Demonstrated by thousands of installations across a diverse range of industries, the RotoClone® N has proven its reliability and effectiveness. With easy access doors and a design that minimizes dust buildup, this equipment is built to handle the toughest industrial challenges while maintaining peak performance and superior air quality.

The RotoClone® advantage: Optimized design for flexible and efficient dust collection

The RotoClone® N offers unparalleled flexibility, allowing optimization based on required efficiency and filtration. Designed for low water usage and operating at a selected and controlled pressure drop, it ensures high efficiency while optimizing power consumption. Boasting exceptional collection efficiencies over the life of the collector, the RotoClone® is up to the task even for the most challenging particle sizes.

Available in sizes capable of handling air volumes from 1,125 CFM to 57,600 CFM, it offers three arrangement options for automatic sludge ejection, sluicing, and manual clean-out. Designed for continuous operation, the equipment is adaptable to future process changes. Its versatile configuration can include a fan which is top-mounted or set beside the unit, tailored to your specific needs and space constraints.

A strategic part in the process

Proven performance across a variety of applications:

- | Surface treatment
 - + Shot blasting
 - + Grinding, cutting & trimming
- | Material processing
 - + Screening & milling
- | Bulk material conveying



Industrial Minerals



Food & Beverage



Chemical



Metalworking



RotoClone® N

The RotoClone® N is an advanced solution designed to optimize dust collection processes through a combination of high efficiency and low operational costs. Known for its simplicity and flexibility, this system is engineered to meet diverse industrial needs while maintaining minimal water consumption. By combining these features, the RotoClone® N maximizes performance, providing a reliable and sustainable solution for dust control.

01 Dirty air inlet

Dust laden air enters through the main inlet and must then turn 90 degrees to go through the impeller section.

02 Impeller section

Dirty air flows through the partially submerged impeller section, undergoing rapid changes in direction and passing through a curtain of water, entrapping the dust and cleaning the air.

03 Mist eliminators

Cleaned air passes through the mist eliminator section where entrained water droplets are removed. Sizes 6 and below have chevron style eliminators; sizes 8 and above have baffle style.

04 Clean air transition

Cleaned air passes through the clean air transition section to exit the unit. The clean air transition is designed to mate directly to the top mounted fan*.

* Fan must be ground mounted for sizes 36 - 48.

05 Clean air discharge

Clean air is discharged from the unit through the top mounted fan.

06 Sludge ejector

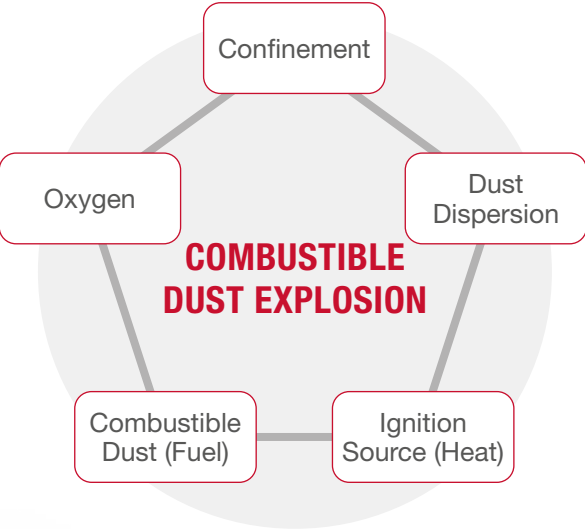
Arrangement C only

The sludge ejector continuously removes the collected dust from the bottom of the RotoClone® N to prevent sludge build up.



Safeguard your workplace with the RotoClone® N

Ensure workplace safety with the RotoClone® N wet dust collector, which utilizes water as its effective filtration medium. This inherent feature makes it ideal for safely managing explosive dust applications, including light metals such as titanium, aluminum, and magnesium. NFPA compliant and designed for ease of maintenance, the RotoClone® N offers a reliable solution that significantly reduces the overall cost associated with preventing industrial dust explosions. With its robust design and efficient operation, the RotoClone® N ensures peace of mind and compliance with safety standards, making it a valuable investment for industries prioritizing both safety and cost-effectiveness.



Available options

Different arrangements



Arrangement B
Manual sludge removal

Ideal for light dust loadings, this low-cost, reduced-height design requires manual removal of collected material.

* Available up to size 28.



Arrangement C
Automatic sludge removal

Designed for moderate to heavy dust loads and continuous service, this configuration minimizes manual handling with a sludge ejector mechanism.



Arrangement D
Continuous sluicing

Designed for material handling applications in industries like chemicals and rock products, this arrangement continuously sluices collected material into a designated disposal point.

Water level control

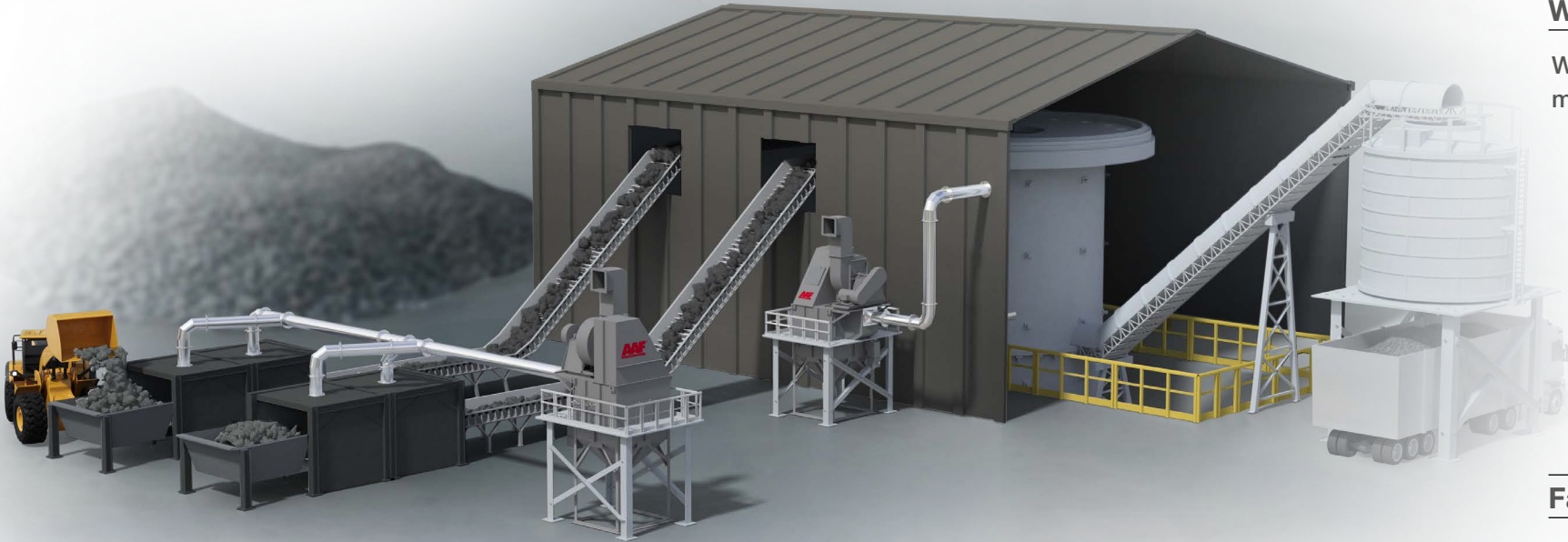
We provide a range of advanced water level control options, ensuring minimal water usage while offering maximum flexibility.

Model A	Continuously monitors water level to supply water on demand, minimizing water consumption, and includes automated unit shut down.
Model SV	Standard control with continuous water overflow, solenoid interlocked with fan and opens on startup and closes on shutdown.
Model SV Low Water Safety	Suitable for light metals and other explosive dusts, operates the same as SV Control with added low level electrode for automated shutdown.

Fan options

We offer a variety of fans tailored to meet specific application needs, ensuring optimal performance and energy efficiency for your dust collector unit. Fans can be mounted on top of the unit or beside it, maximizing flexibility and functionality.

* Size 36 and larger requires a ground mounted fan.





Bringing clean air to life.®

A light gray world map is centered in the background of the page, showing the continents of North America, South America, Europe, Africa, Asia, and Australia.

AAF International

Filtration has been at the heart of our business since 1921 and thanks to the high caliber of our products and services, we are trusted by many of the world's leading power and industrial companies. We provide our customers with the expertise, the solutions and the best available filtration technology to increase operational performance. Bringing clean air to life, our products provide the highest levels of indoor air quality, the lowest environmental emissions and the optimum safety conditions for employees and the wider community.

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