

RotoClone® W



POWERED BY

REDClean® Technology

Design | Engineering | Manufacturing | Maintenance | Spare Parts

aafintl.com



Bringing clean air to life.®

Low Maintenance, Highly Efficient

The RotoClone® W is designed for collecting all types of air contaminants from granular dusts to oil.

This product uses a fine mist as it's filter to capture even the finest particles while a rotating impeller creates a centrifugal force to push the contaminants out of the process. It's especially effective in areas where scheduled maintenance is difficult and space is at a premium, this compact unit is incredibly low maintenance. As long as your water source stays flowing so will your RotoClone® W.

A strategic part in the process

Proven performance across a variety of applications:

- | Bulk Material Handling
- | Bulk Material Conveying
- | Material Processing
- | Drying, Mixing
- | Packaging
- | Commercial Kitchen Hood Exhaust
- | Industrial Fryer Exhaust



Food &
Beverage



Chemical



Pharmaceutical



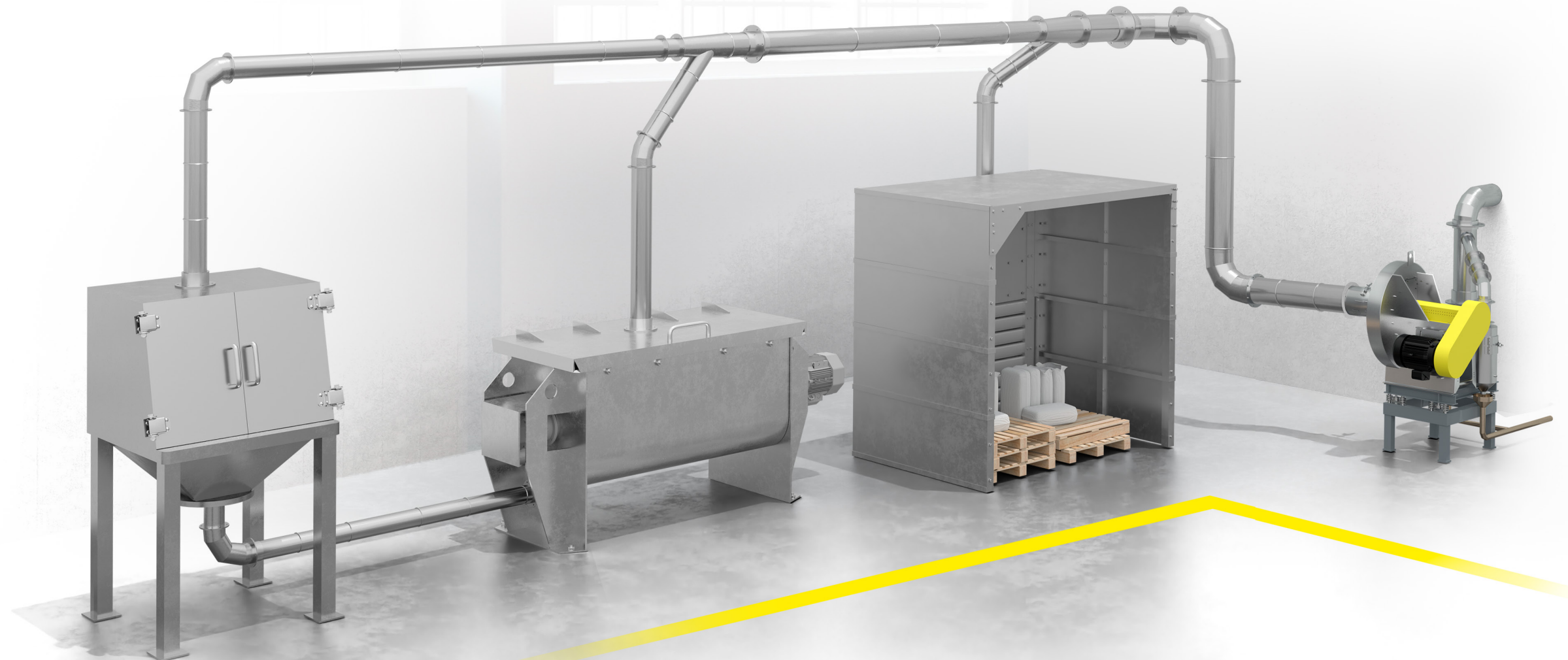
Wood, pulp
& Paper



Industrial
Minerals

Superior Performance in Specialty Applications

The RotoClone® W is suitable for many of the most demanding applications where traditional dry filtration products are unable to deliver a cost-effective solution. Extracting and filtering explosive dusts, oil, grease, and sticky dust, hygroscopic dust, and humid air streams are suitable for the RotoClone® W. Compliant with NFPA regulations, the RotoClone® W protects your employees and process at minimum capital investment, eliminating the need for costly items such as fire or explosion detection and suppression technology. The RotoClone® W's size and unique filtering medium make it the most versatile product in the market today.



RotoClone® W

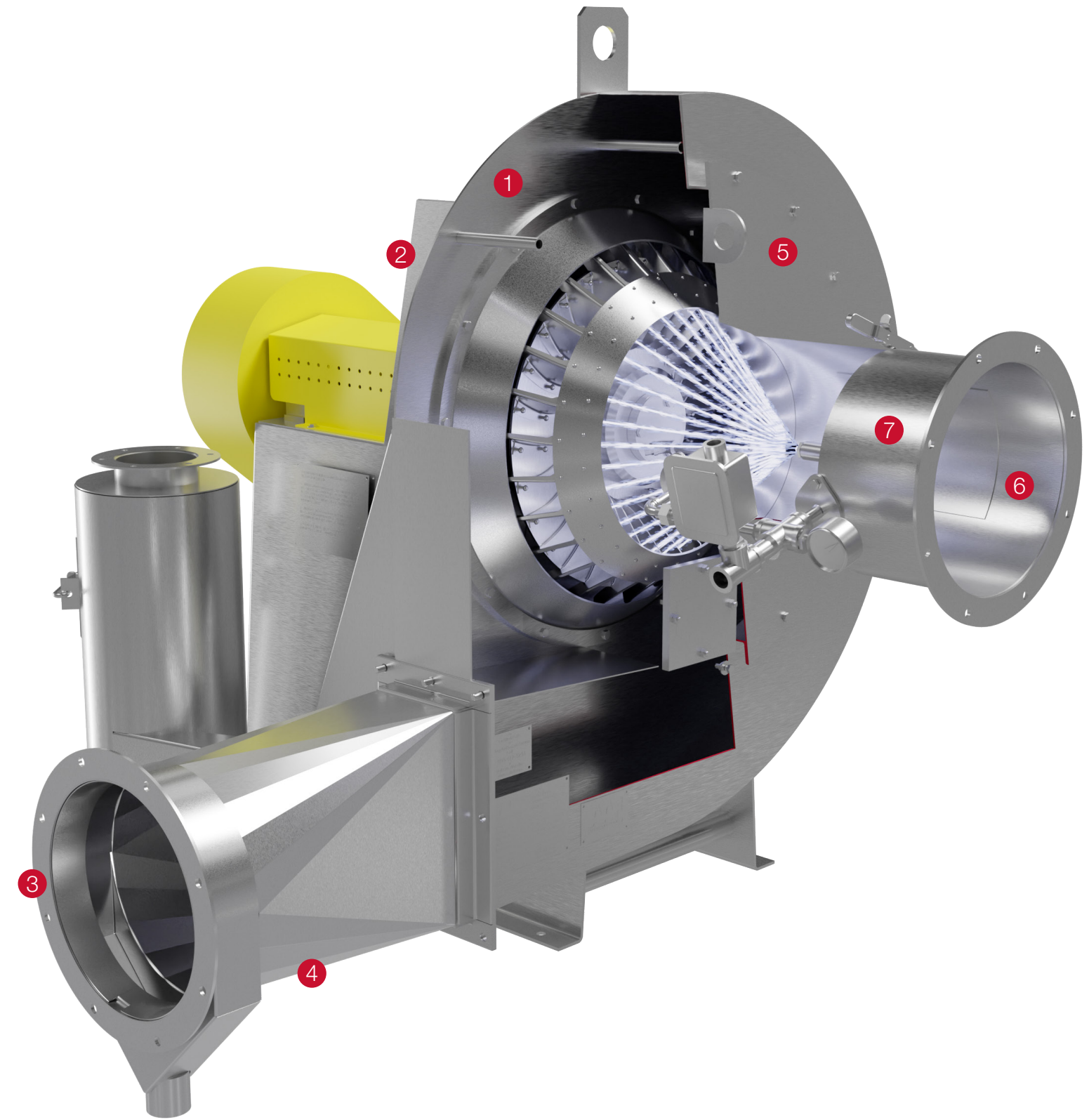
Small, cost effective, & efficient.

① Food quality design available including additional flushing nozzles, inspection doors, & the elimination of surface areas where material can accumulate. Stainless Steel Material with Scotch-Brite finish standard.

② Material of construction HRS. Optional in 304, or 316 SS.

③ Clean air is exhausted through the standard straight outlet with options for a 90 degree up blast orientation outlet or a centrifugal outlet option knocking out additional moisture from the airstream.

④ The water and dust being heavier than the air forms a slurry and drains from the bottom of the expansion chamber and housing of the equipment.



⑤ Rotating impellers cause particles to be impinged on and trapped by the flowing water film covering all surfaces of the blade.

⑥ Dirty air stream enters the RotoClone® W as a constant exhaust air flow. Unlike barrier filters efficiency is immediate and a dust cake does not build on the filter medium reducing the air flow.

⑦ The Solenoid valve allows water to flow through the nozzle when the unit is running. A pressure switch monitors the water pressure, sending a signal to shut unit off if water pressure falls below acceptable level.

A wide variety of sizes for a wide variety of applications

With 12 sizes available, the RotoClone® W has the flexibility to meet many different application placements and dust loads. AAF has spent many years perfecting this wet collection system, narrowing down the sizes to fit the most demanding of applications and their environment, from a steamy kitchen to the top of the roof, the RotoClone® W can handle the harshest of environments.



Available Options and Accessories

AAF’s engineering team has an extensive background in customizing the RotoClone® W to meet many different specialty applications using the below accessories and options:

Options

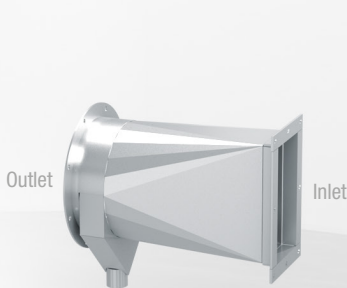
Factory Mutual Approved kitchen range hood controls	Motor mounting arrangement 1
Food quality construction	NEMA 7/9 solenoid and pressure switch
Stainless steel construction (304 and 316)	Vibration base with spring isolators
Centrifugal outlet	NFPA certified for explosive applications
90 degree outlet	Impeller flushing nozzle
Straight outlet	

Accessories

AAF control center
Afterfilter housings and filters

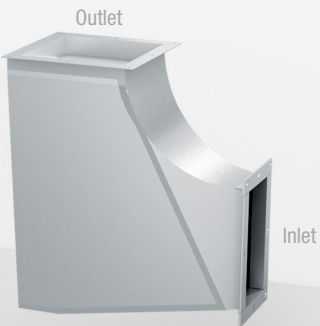
Air Outlet Options

The RotoClone® W offers three outlet configurations: Straight, 90-degrees, and Centrifugal. These options enable flexible, efficient exhaust of air from the RotoClone® into your facility or external environment, all while maintaining optimal differential pressure.



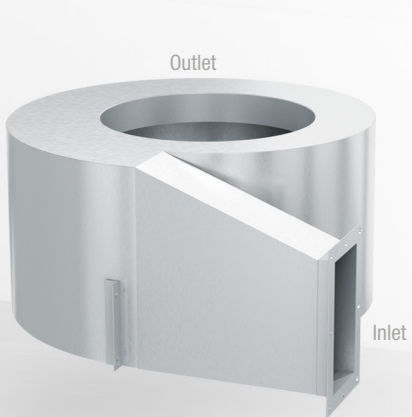
Straight outlet

Enables air to exhaust straight out.



90-degrees outlet

Enables the air to be efficiently exhausted at a 90-degree angle.



Centrifugal outlet

Reduces the moisture concentration in the air prior to being exhausted outside or into the plant.



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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