

# RotoClone™ LVN Series



RotoClone™ LVN Ultra  
Pictured





## The RotoClone™ LVN & LVN Ultra Advantage

The RotoClone™ LVN and LVN Ultra are energy efficient, compact, and economical wet dust collectors specifically designed for air requirements of up to 8,000 CFM.

**Many industrial processes create dust that is most efficiently handled by a small wet collector. That's where the RotoClone™ LVN and LVN Ultra are best suited, capable of handling hot, humid gas streams and oily or explosive dust with no problem while ensuring airflow performance is maintained without interruption or downtime as typically demanded in many industrial processes.**



## Leading the Way in Wet Dust Collection Technology

The RotoClone™ LVN and LVN Ultra collector both clean the air by the combined action of centrifugal force and a violent inter-mixing of water and dust-laden air. This process separates the dust from the gas stream through a water curtain created by the high-velocity flow of air past a stationary impeller. This high-velocity flow carries water with it in a heavy turbulent sheet.

The centrifugal force and the rapid changes in direction of airflow causes the dust particles to enter the water droplets and become trapped within them. These dust-laden water droplets are then removed from the air stream by the mist eliminator. The dust settles in the bottom of the collector and the water is reused. The water curtain is produced by the airflow, therefore, no pumps or nozzles are required.



RotoClone™ LVN  
Pictured



## A strategic part in the process

Reduce emissions and provide a clean working environment using the RotoClone™ LVN Series in any of these industries.



**Aerospace Industry**



**Metalworking Industry**



**Chemical industry**



**Automotive Industry**

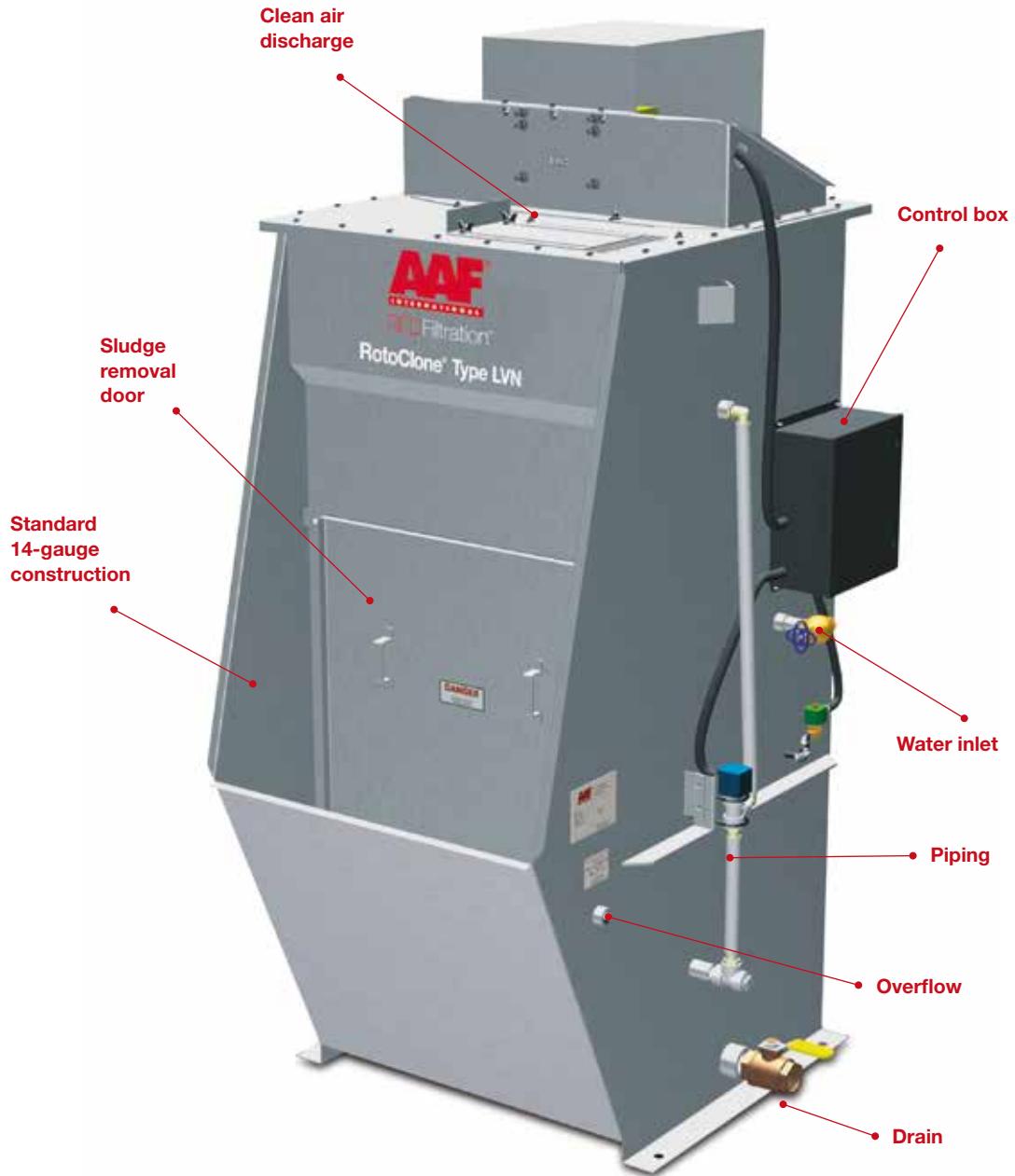


**Pharmaceutical industry**



# RotoClone™ LVN

A Wet Dust Collector For Small Metalworking Applications



Meeting The Needs Of  
Small Metalworking Applications



Compact Equipment  
With A Small Footprint



Improved, intuitive  
user experience

# RotoClone™ LVN Ultra

A Wet Dust Collector For Medium-Sized Metalworking Applications

## OSHA Compliant Noise Levels

Integral fan silencer for OSHA compliance noise levels for air recirculation.

## Top Mounted Fan

Unit mounted backward inclined, direct driven fan conserves floor space and engineered air inlet plenum ensures proper airflow with nominal pressure loss

## Mist Eliminators

High-efficiency stainless steel mist eliminators prevents the carry-over of water mist, keeping work space clean and minimizing water consumption

## Proprietary Filtration Technique

Proprietary stainless steel stationary impeller design for complete mixing of air and water, maximizes overall filtration efficiency (without need of media or bag filters)

## Minimal Water Usage

Standard volume water reservoir allows for extended water reuse, reducing waste and utility costs. All submerged surfaces and materials are of 304 SS.



## Plug and Play Controls

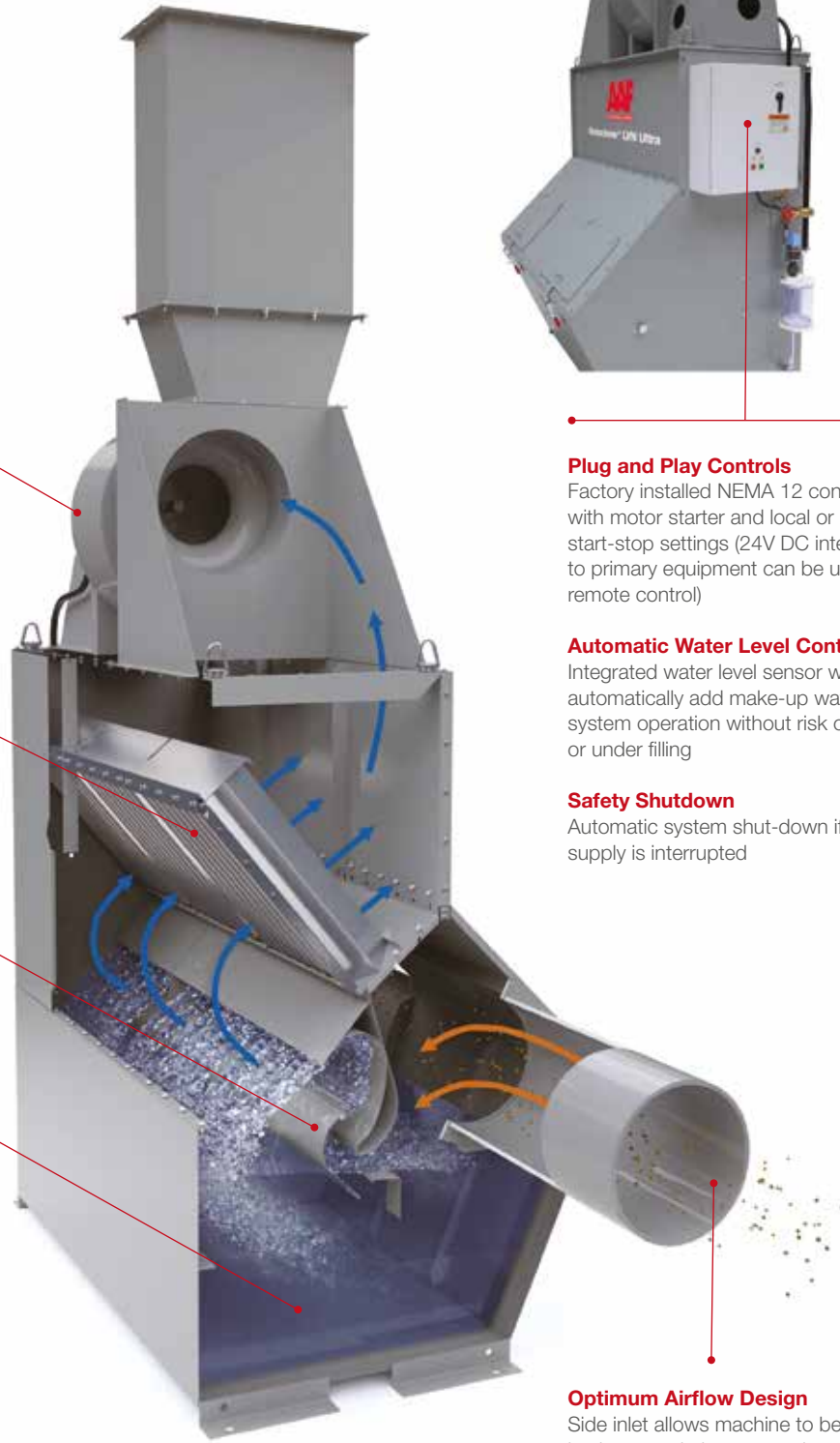
Factory installed NEMA 12 control panel with motor starter and local or remote start-stop settings (24V DC interlock to primary equipment can be used for remote control)

## Automatic Water Level Controls

Integrated water level sensor will automatically add make-up water during system operation without risk of over or under filling

## Safety Shutdown

Automatic system shut-down if water supply is interrupted



## Optimum Airflow Design

Side inlet allows machine to be located in close proximity to associated equipment and is engineered to provide optimal air flow distribution



Bringing clean air to life.®

A light gray world map is centered in the background of the page. A semi-transparent white rectangular box is overlaid on the map, containing the company name and a paragraph of text.

## AAF International

Filtration has been at the heart of our business since 1921 and thanks to the high calibre 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.

[aafintl.com](http://aafintl.com)

---

American Air Filter Company, Inc. has a policy of continuous product improvement. This document is provided for informal review and establishes no commitment or contract. We reserve the right to change any designs, specifications and products without notice, and we make no warranties regarding the subject matter of this document. Any use, copying or distribution of this document or any part of this document without our permission is prohibited.