

TRION[®]

Indoor Air Quality



Commercial & Industrial Product Guide

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About TRION®

Since 1947, TRION has provided quality products for the commercial and industrial markets, engineered specifically to provide a clean, safe, and comfortable indoor air environment.

Dependable performance, superior product quality, and excellent customer service are essential to TRION's long-term success. TRION has developed a level of technical expertise that allows us to create innovative products and cost-effective solutions to serve our customers' air cleaning problems worldwide.

TRION® Air Purification Systems

TRION offers a complete line of commercial and industrial air filtration systems for your applications, including electrostatic precipitators, media and cartridge air cleaners, HEPA filters, and smoke eliminators. Our air purification systems help to:

- Protect employee health
- Comply with government regulations
- Improve productivity
- Reduce operating costs
- Conserve energy through recirculation



World Trade Center | New York, New York
Featuring TRION Model 75



Torre Bancomer | Mexico City, Mexico
Featuring TRION Model 75

Air Boss M-Series

Media & Adsorption Air Cleaner



- Straight-through or side discharge to better control airflow pattern
- Belt driven blower and variable pitch sheave allows adjustment for precise CFM operating range
- Collects wet or dry particles, which provides versatility in a wide range of applications
- Optional high static blower packages provide capacity for more contaminant pickup points
- Optional odor and high efficiency filters - from HEPA and adsorber modules to mini-pleat filters (194/388 square feet) for maximum efficiency and effectiveness

Air Boss T-Series

Electronic Air Cleaners



- Straight-through or side discharge to better control airflow pattern
- Integral motor starter on three-phase units to simplify installation
- Belt driven blower and variable pitch sheave allows adjustment for precise CFM operating range
- Collects wet or dry particles, which provides versatility in a wide range of applications
- Spiked ionizers prevent common wire breakage and replacement

Air Boss Model 75

Electrostatic Precipitator



- Effectively removes airborne solids, liquids, and odors
- Factory assembled, built-up construction for simplified installation and service
- Durable, efficient cell design for long term performance and reliability
- Spiked ionizers prevent common wire breakage and replacement
- Integral Programmable Logic Controller (PLC) automates cleaning process to reduce maintenance costs and ensure efficient air cleaning at all times
- ETL approved to UL Standard 867
- Up to 98% efficient on 0.3 micron particles



Air Boss Model 38 Industrial Mist Precipitator

- Removes fumes and oil mist from discharged air to help maintain a cleaner work environment and reduces costly maintenance cleanup of oily accumulations
- With spiked ionizers, there are no ionizing wires to replace, thereby reducing maintenance replacement costs
- Low and constant static pressure ensures machinery performance is maintained without excessive static pressure buildup
- Meets the requirements of MIL-S-901D Grade A, Class I, High Impact Shock
- Meets the requirements of MIL-STD-167 Environmental Vibration
- Meets the requirements of ILD-STD-461 Electromagnetic Interference
- Easily installed and maintained; installs in less than an hour!



Air Boss MP600M Mist Collector

- Cleans and re-circulates indoor air, so there is no expense to reheat or cool air
- Wall, platform, or machine mounting, which eliminates the need for elaborate duct work and saves floor space
- Collects wet or dry particles, providing versatility in a wide range of applications
- Vertical design increases draining of filters for better collection efficiency
- Wired directly to machine tool control for simultaneous operation
- High static blower option allows up to 900 CFM range at 4.0 inches total S.P.
- Optional HEPA filter for 99.97% efficiency on 0.3 micron particles



Grease Viper Electrostatic Air Cleaner

- Designed in accordance with NFPA 96-2011 criteria
- ETL Agency Listing per UL-867 and UL-710
- Electrostatic cells with spiked ionizers and ceramic insulators
- Solid state power supplies
- Water-wash components
- Integrated PLC controls for sequencing of automatic wash system
- Remote status panel with LED indicators
- Optional fan package
- Optional fan mounting rail base for simplified installation



VOMP 600

Vertical Oil Mist Precipitator

- Up to 95% efficient on 0.3 micron particles
- Cleans and re-circulates indoor air, so there is no expense to reheat or cool air
- Wall, platform, or machine mounting eliminates the need for elaborate duct work and saves floor space
- Can be wired directly to machine tool control for simultaneous operation
- Spiked ionizer increases efficiency and reliability
- Washable collector cell eliminates filter replacement costs
- Low airflow resistance reduces energy costs
- Venturi-assisted high-voltage insulator forces clean air across critical areas of the insulator to provide longer service intervals



CA3000C & CA6000C

Cartridge Air Cleaners

- Long-life filter cartridges provide up to 99% efficiency at 0.5 microns. Cartridges have eight times more surface collecting area than comparable bag media type air cleaners, resulting in greater dirt-holding capability and longer filter life.
- In-place, cartridge cleaning utilizes compressed air to minimize maintenance and reduce downtime
- Each filter is pulsed independently for better cleaning of the cartridge during cleaning cycle
- Three pulse options - manual, timed, and "on demand"
- Side access doors simplify maintenance and cartridge removal
- Backward-inclined airfoil fan is energy efficient



Mini M.E.

Mini Mist Collector

- Compact cabinet design
- Six-foot cord and plug fits standard 120VAC outlet
- Up to 95% efficient on 0.3 micron particles
- Cleans and re-circulates indoor air
- Ceiling, platform, or machine mounting eliminates the need for elaborate duct work and saves floor space
- Can be wired directly to the machine tool control for simultaneous operation



Grease Viper Commercial Air Cleaner

- Designed in accordance with NFPA 96-2011 criteria
- ETL Agency Listing per UL-867 and UL-710
- Electrostatic cells with spiked ionizers and ceramic insulators
- Solid state power supplies
- Water-wash components
- Integrated PLC controls for sequencing of automatic wash system
- Remote status panel with LED indicators
- Optional fan package (UL-762 rated for kitchen exhaust)
- Optional fire suppression coverage with Ansul® Nozzles (to comply with NFPA 96 requirements)
- Optional fan mounting rail base for simplified installation



Air Boss KES Series Kitchen Exhaust Filtration System

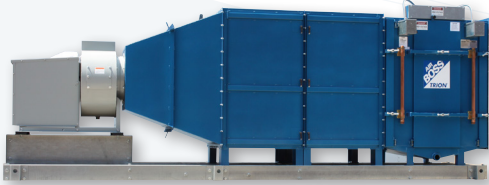
- Multi-stage, self-contained filtration unit that ensures maximum effectiveness through the use of an electrostatic precipitator, a 95% DOP media filter, and carbon modules for odor control
- High efficiency at low, constant pressure drop
- Compliance with EPA, state, and local air quality laws and regulations
- Cleaner, fresher kitchen exhaust that fosters "goodwill" with commercial and residential neighbors, along with federal, state, and local government agencies



Air Boss ATS Air Purification System

- UL listed as a kitchen exhaust hood and duct accessory
- MEA approved for New York City installations
- Solid state, pulse width modulating power supplies
- Extra-depth electrostatic collecting cells with spiked ionizing blades
- Motorized water wash manifolds with spray nozzles (ESP section)
- Integral mounting rails
- Optional second stage safety filters (electrostatic precipitator or bags) and third stage odor control (activated carbon or potassium permanganate)
- Optional UL 762, grease-rated fan package
- Optional Ansul® fire suppression components to meet NFPA 96 requirements

Air Boss Model 75 Electrostatic Precipitator



- Effectively removes airborne solids, liquids, and odors
- Factory assembled, built-up construction for simplified installation and service
- Durable, efficient cell design for long term performance and reliability
- Spiked Ionizers prevent common wire breakage and replacement
- Integral Programmable Logic Controller (PLC) automates cleaning process to reduce maintenance costs and ensure efficient air cleaning at all times
- ETL approved to UL Standards 710 and 867
- Designed to NFPA 96 standards for kitchen exhaust
- Up to 98% efficient on 0.3 micron particles
- Optional fire suppression system

Smoke Eliminators

SE400E and SE800E Smoke Eliminators



- ARC suppression power supply reduces disruptive snapping noise and extends life of power supply
- Low profile design provides appealing unit with no elaborate duct work or installation
- Removes up to 95% of tobacco smoke, dust, pollen, lint, bacteria, and mold spores
- Recirculates clean indoor air, eliminating expense to reheat or cool air
- Service indicator light
- Hinged access doors make it easy to maintain and remove filters



Apple Headquarters | Cupertino, CA

Featuring TRION Model 75

Product Guide

Product Overview Chart



SERIES	M-Series	T-Series	Model 75	Model 38	MP600M	Mini M.E.
Contaminant	Dust Smoke Mist	Smoke Mist	Dust (HVAC) Smoke Mist	Smoke Mist	Smoke Mist	Smoke Mist
Application	Grinding Wet Machining	Welding Heat Treating Machining Forging Molding	Welding Heat Treating Machining Forging Molding	Gas Turbines Compressors Vacuum Pumps Diesel Engines	Grinding Machining Washers Turning	CNCs Turning Wet Cutting Wet Grinding
Airflow (CFM)	1,000-4,000	1,000-5,000	1,000-25,000	150-600	400-900	300-650
Media Type	Media	Electrostatic	Electrostatic	Electrostatic	Media	Electrostatic
Cleaning	Disposable	Manual	Manual Water Wash	Manual	Disposable	Manual
Duty Cycle	Continuous	Intermittent Continuous	Intermittent Continuous	Intermittent Continuous	Intermittent Continuous	Intermittent Continuous



VOMP 600	CA Series	Grease Viper	KES Series	ATS	SERIES
Smoke Mist	Dust Smoke	Grease Smoke	Grease Smoke	Dust Smoke Mist	Contaminant
Wet Cutting Wet Grinding Washers Turning	Welding Grinding	Commercial Cooking Welding Heat Treating	Commercial Cooking	Welding Heat Treating Machining Forging Molding	Application
300-800	1,500-6,000	800-29,000	1,200-4,500	1,000-10,400	Airflow (CFM)
Electrostatic	Cartridge	Electrostatic	Electrostatic	Electrostatic	Media Type
Manual	Auto Pulse (Compressed Air)	Manual Water Wash	Manual	Water Wash	Cleaning
Intermittent Continuous	Continuous	Intermittent Continuous	Intermittent	Intermittent Continuous	Duty Cycle

Note: **Bold** project names indicate projects featured on this page.

Museum of Art | Philadelphia, PA
Model 75

Blue Cross Blue Shield | Boston, MA
Grease Viper

Facebook Corporate Office | New York, NY
Grease Viper and Air Boss KES

Red Lobster Headquarters | Orlando, FL
Air Boss KES

Tyco Electronics | Greensboro, NC
MP600M and M-Series

Trumpf | Farmington, CT
T-Series

1 Hotel | Miami Beach, FL
Air Boss ATS

General Dynamics Electric Boat | North Kingstown, RI
CA3000C

New Jersey Department of Transportation | Trenton, NJ
CA6000C

General Electric Power Systems | Houston, TX
Model 38

World Trade Center | Dubai, UAE
Model 75

Flowserve | Various U.S. locations
Mini M.E.



Museum of Art | Philadelphia, PA
Featuring TRION Model 75



1 Hotel | Miami Beach, FL
Featuring TRION Air Boss ATS



Facebook | New York, NY
Featuring TRION Grease
Viper and Air Boss KES



World Trade Center | Dubai, UAE
Featuring TRION Model 75

TRION®

Indoor Air Quality

Committed to Providing Clean, Comfortable and Safe IAQ Solutions

Since 1947, TRION has manufactured quality engineered products for commercial, industrial, and residential markets to provide clean, safe, and comfortable indoor air environments. To learn more about how we can assist you in your next indoor air quality application, visit us on the web at www.trioniaq.com or simply contact your nearest TRION representative.

Proud to be a Division of Air System Components, Inc. (ASC)

Air System Components, Inc. is a market-leading supplier of heating, air conditioning, and ventilation system components for commercial, industrial, and residential applications. Constant investment in new tooling and processes, ongoing employee training and quality programs, and essential involvement in industry research and standards organizations ensures that our products provide the value and quality customers have come to expect.

Indoor Air Quality Since 1947.

ISO 9001:2008 Certified.

Industry Memberships:

HARDI



Proudly Designed,
Engineered, and
Manufactured in the USA.

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