



TRION®

Engineered Solutions For Clean Air

The Trion® T-Series AG is ideal for the removal of smoke, fumes, and oil/coolant smoke and mist. The T-Series AG has the ability to clean contaminated indoor air and recirculate it back to the work area, reducing energy costs by not having to exhaust conditioned air to the outside.

Models T1000 AG to T5005 AG are designed for ducted applications.

Features

- Cordierite Ceramic Insulator
 - Solid State/PWM Power Supply
- Spiked Ionising Blades
 - Extra Depth Collector Cells
- Electrical Component Box Mounted out of Air Stream
- Modular Approach for Greater Flexibility

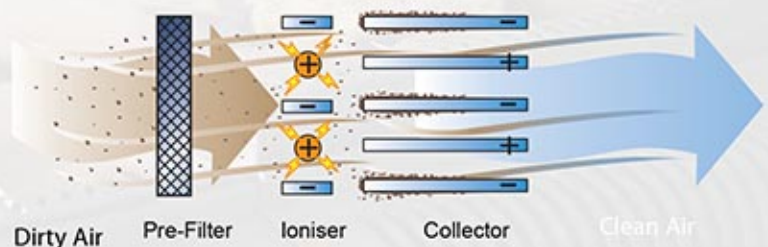
Benefits

- Ceramic Insulators — Out of Airstream for Increased Reliability
 - Extra Depth Collector Cell with Greater Dirt Holding/Collection Capacity
 - Spiked Ioniser — No Ionising Wires to Replace, Reducing Maintenance: No Consumable Parts
 - High Efficiency — up to 95% on Single Pass and 99% on Double Pass Option (ASHRAE/DOP Test Method)
 - Permanent Ioniser/Collector Elements — No Consumable Filter Cost; Just Wash, Dry and Reinstall
 - Low Pressure Drop (90 Pa — Lower Energy Cost to Operate Compared to Media and Cartridge Units)
- Hinged Door Filter Access — Quick & Easy access —
No Tools Required



How it Works

The Trion® T-Series AG utilizes the principle of Electrostatic Precipitation. Air is drawn by the motor/blower through a washable metal mesh pre-filter which traps large dust particles. The remaining particles, some as small as 0.01 microns, pass into a strong electrical field (ionising section) where the particulate receives an electrical charge. The charged particles then pass into a collector plate section made up of a series of equally spaced parallel plates. Each alternate plate is charged with the same polarity as the particles, which repel, while the interleaving plates are grounded, which attract and collect.





Core Component-Ion Chamber

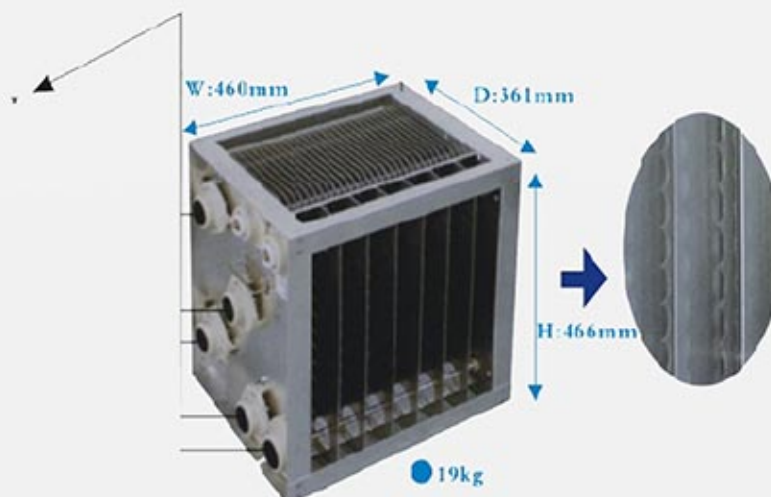
(1) Uniquely-designed isolator

- Features:
- High mechanical strength.
- High insulating property (including air insulation)
- Surface area is 2 to 3 times larger than ordinary isolator, realizing convenient replacement.
- Reliable system
- Realize current isolation, facilitate the prevention and elimination of electric arc phenomenon, prolongation of power supply life and service life.
- Prevent pollutant precipitation on insulator surface, avoid carbonization, and maintain high system efficiency.

(2) Stainless steel zigzag ionization piece

Features:

- High ionization efficiency, remarkable durability, reliable system, high purification efficiency
- Low maintenance and parts replacement cost





*Images are only for your reference, and variant model appearances may exist due to different configurations.

Features, advantages

- High efficiency: more than 95% in single channel and more than 99% in double channel.
- Small resistance: low energy consumption if compared with conventional medium type purification machine, low operating costs.
- Large capacity: ion chamber is featured with large oil-collecting area, large capacity, and reduced purging frequency.
- Safety and reliability

Ceramics insulator is applied to ensure reliable isolation under tough working conditions. Solid-state double voltage & power panel is applied to ensure stable output and high efficiency. Zig-zag type stainless steel electrode is applied to avoid being enfolded by oil stain and enable equipment to be in the state of high efficiency.

Corrosion-resistant aerolite dust-collecting plate is applied to ensure longer service life of equipment.

ON/OFF switch and safety switch are configured to realize safer two-fold protection.



Trion Kitchen Odor-removing Equipment-V Type Active Carbon Filter
Trion V type active carbon filter is especially designed for odor absorption purpose, and it can either be used alone or matched with electronic purification machine AG series/standard type T series/water-washing type T series.

Cabinet door
Cabinet
Active carbon chamber
Airflow direction label



Product features:

- Modularization, flexible combination according to air volume
- Small resistance, low system energy consumption
- Sturdy construction, corrosion-resistant
- High quality active carbon, strong adsorption capacity
- Simple & convenient replacement of active carbon

Application Areas:

- Remove cooking fumes odor
- Remove industrial odor
- Remove volatile organic compounds
- Remove paint odor
- Remove animal odor
- Air recirculation

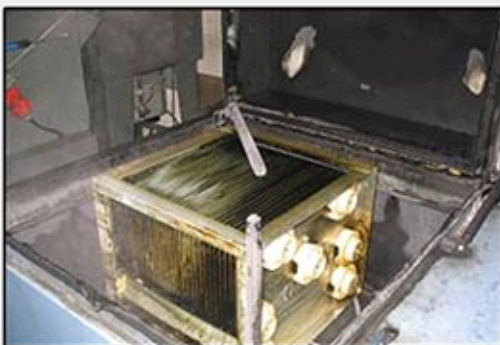


How to Clean

Step 1: Take out the oil-gathering ion chamber



Step 2: Rinse



Soak in oil stain cleanser hydrothermal solution (40-60 degree temperature is recommended), thoroughly rinse and dry up, and then reinstall into the equipment.

Step 3: Flush



Negative electrode is made from aviation aluminum plate, and the use of high water pressure gun in flushing process may cause excessive deformation of negative electrode, or even short circuit.

Please use low water pressure gun

It is not allowed to use water gun with high water pressure

Step 4: Drying

Draught fan blowing, sunshine or hot air gun blowing can be applied.

The logo features the word "TRION" in a large, bold, blue sans-serif font with a registered trademark symbol. Below it, the words "Air Purification Systems" are written in a smaller, blue sans-serif font. The text is set against a white, stylized wave graphic that curves around the bottom of the letters.

TRION[®]

Air Purification Systems

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.

Trion[®]

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