RESEARCH PRODUCTS CORP.

MADISON 1, WISCONSIN

Air Filters for Heating and Ventilating—Grease Filters for Kitchen Exhaust Systems—Paint Arrestors—Automatic Humidifiers

R P AIR FILTERS

Viscuous impingement, with controlled turbulence caused by scientifically staggered baffles is a feature of every R P Air Filter. In addition to high efficiency dust, dirt and pollen removal, R P washable air filters offer a bonus feature—ODOR REMOVAL—through the use of Super Filter Coat Adhesive.

E Z KLEEN AIR FILTERS

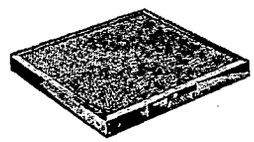


The aluminum, washable air filter that features easy cleaning and moderate cost. Available in ⅜ in., ½ in., 1 in. and 2 in. thicknesses—all designed for velocities up to 350 fpm. Same design features available in easy-to-cut Trim-To-Size E Z Kleen Filter, in two sizes.

E Z KLEEN (M-V TYPE) AIR FILTERS

For commercial-type installations, where a strong, yet light weight filter is required. Designed for both low and high velocities (350 to 520 fpm) and available in 1 in. and 2 in. thicknesses.

MULTI-VELOCITY INDUSTRIAL AIR FILTERS

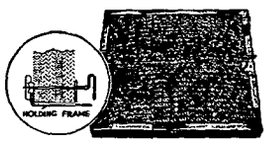


R P Industrial Air Filters are Multi-Velocity filters (250 to 600 fpm) with extremely low initial resistance, and slow build-up resistance. Outstanding where a rugged, heavy duty filter is required for industrial installations. In 1 in., 2 in., 3 in. and 4 in. thicknesses. Holding frames for filter banks, combination lift and lock handles, lift or bail handles are available.

R P ADHESIVE

R P Super Filter Coat adhesive performs all the normal dust and dirt trapping functions, but also is scientifically compounded to adsorb and absorb odors—and prevent their recirculation in the air stream. Contains two well-known bacteria and fungi destroying agents—Hexachlorophene and Sodium Propionate. A "built-in" detergent simplifies the filter washing process. Available both as a concentrate and in ready-to-use form.

GREASE FILTERS

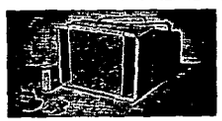


Efficiency in excess of 98 percent on grease vapors, gleaming appearance, ease of cleaning and light weight have made the R P Grease Filter a volume performance leader in its field. Inset illustration shows handle lock—also available with lift or bail handles. A free, comprehensive data booklet on kitchen exhaust systems is available on request.

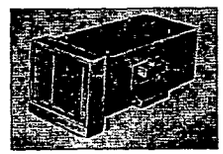
PAINT ARRESTORS

Specially designed, inexpensive, replaceable R P Paint Arrestors trap paint over-spray from spray booth exhaust air. Efficient in operation, R P Paint Arrestors are flexible and versatile—can be used in existing booths and in new installations. Easily installed (with Snap-in Grid to hold Paint Arrestor in frame), and maintained—reduce down-time and floor-space requirements.

APRILAIRE AUTOMATIC HUMIDIFIERS



Residential—5 models available . . . all featuring high capacity (up to 9.2 lbs. of water per hour). Plenum model illustrated (2 sizes); steam or hot water model (2 sizes) for buildings with wet heat; Portable model, requiring no installation.



Industrial-Capacities from 2½ to 10 gph . . . dust-free operation . . . positive control, models for all types of heating.

TRION, INC.

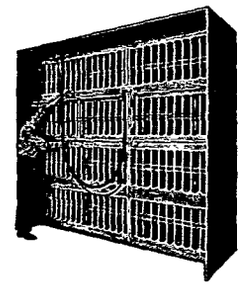
1000 Island Avenue McKees Rocks, Pa.
in Metropolitan Pittsburgh
Toronto, Canada Zurich, Switzerland
Dortmund, Germany Tokyo, Japan
Representatives in Principal Cities
Designers and manufacturers of equipment for cleaning and purifying air and other gases

TRION ELECTRONIC AIR CLEANERS

High efficiency air purification equipment. Electronically removes up to 95 per cent (*National Bureau of Standards Dust-Spot Test* method using normal atmospheric air) of dust, dirt, smoke, pollen, and germs from air. All airborne particles are electronically charged (positive) as they enter the Trion. They are then attracted to and collected upon grounded plates. An integral washing system flushes the dirt to a sewer.

FIELD ASSEMBLED UNITS

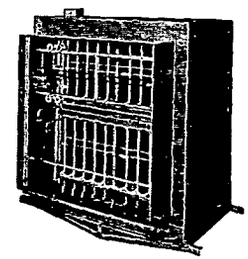
The specific use of field assembled units is for installations requiring the cleaning of air in comparatively large volumes. An example would be multiple floors of a building. Units are sized to specifications for handling any volume of air. The unit consists of all basic components including power pack(s) for supplying the necessary current; required number of dirt collecting cells; and a built-in water spray system for removing collected dirt from cells.



Field Assembled Units

CUSTOM-BUILT *PACKAGED* UNITS

As an aid to the architect, engineer and installer, Trion will supply equipment constructed as a complete *package. Packaged* equipment is available for installation where space is limited. Units are designed for floor mounting or ceiling suspension and for horizontal or vertical air flow. Complete unit includes all basic units housed in a corrosion-resistant metal cabinet including drain pan. Sizes range from 1,300 to 10,000 cu ft of air per minute.



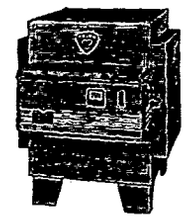
Custom Built Package Unit

PACKAGED RESIDENTIAL UNITS

The standard *packaged* units are designed primarily for residential and small commercial installations. Because of ease of installation, they are also being widely used for industrial and commercial applications where the volume of air to be cleaned is relatively small. Units are available in suspended models or for floor mounting in sizes to handle from 800 (average 5–6-room home) up to 9,600 cu ft of air per minute. Units are sized to the capacity of the furnace or air-conditioning blower.

OIL MIST PRECIPITATOR UNITS

These units are specifically designed for the elimination of coolant oil mist and smoke emanating from high-speed cutting, grinding, and machine operations. Flexibility is provided in that they can be mounted on the floor, on the machine, or suspended from roof trusses. The basic components are the same as for field-assembled units. Under normal machining operations the daily oil recovery from a Trion Oil Mist Precipitator may be as much as 3 to 5 gal.



Package Residential Unit