

Dollinger Corporation

Filters for Building Ventilation,
Air Conditioning, Engine Intake, Pipelines and
Many Other Special Applications.

Representatives in Principal Cities

6 Centre Park



Rochester 3, N. Y.

STAYNEW MODEL A-3 AUTOMATIC FILTER

An endless curtain type oil-bath filter for handling large volumes of heavily dust-laden air at low cost. The efficiency of Staynew Model A-3 is unsurpassed among mechanical self-cleaning filters.

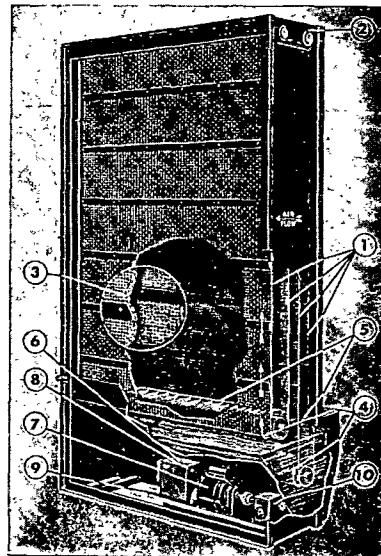
Operation and Features: Double filter curtains (1) carried on heavy roller chains driven by sprockets keyed to the shafts of the curtain rollers (2). These rollers float on ball bearings for quiet, frictionless operation. Curtains consist of removable panels (3) made of a single layer of bronze screen cloth to which are attached layers of woven copper mesh.

The first of the curtains is the denser, having about twice the impingement surface of the second or rear curtain. This first curtain acts as the filter and travels through the oil reservoir. The second curtain does not enter the reservoir, but acts only as a safeguard against oil entrainment. This design permits a direction of curtain travel such that cleaned panels (4) are always on the filtered air side. Therefore no dust can be carried across the back or return side of the front curtain to be blown off and carried on by the flow of air.

Patented, exclusive Staynew Air Brush Conditioners (5) prevent excessive amounts of oil being carried upward on the curtain panels and being entrained in the air stream.

Specifications

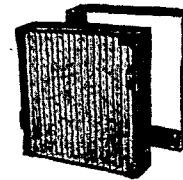
Model A-3 Filters are sectional and may be bolted together to obtain any required capacity. Sections come in two widths, 4 ft 3 in. and 2 ft 9 in. Curtain drive and control mechanism (6) arranged either as an integral part of filter unit or for remote mounting, includes a $\frac{1}{4}$ hp motor (7) driving through a reduction gear and a momentary contact time switch (8) for testing and checking curtain travel and compressed air control. All are mounted on a common base plate (9) on clean air side of filter. Shear pin (10) is provided for protection of moving parts from accidental damage. The drive motor and the Air Brush Conditioners operate simultaneously for a few seconds at 15 minute intervals.



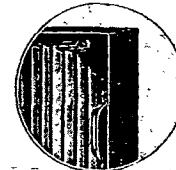
Model A-3 Automatic Filter (numbered features are referred to in accompanying description)

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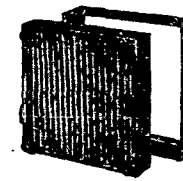
STAYNEW PANEL TYPE FILTERS



Model WKE
Panel and Frame



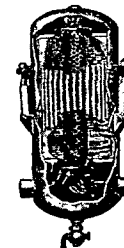
Handles and Latches



Viscous Model DPV
Panel and Frame



Model PVR-3
Kitchen Range Filter



Model ELS
(Sectional View)

Model WKE: Dry-type finned panel filter for use in ventilation and air conditioning systems. Extremely large filtering area in relation to overall size. Adaptable to wide variety of filtering media—in fact, almost any medium obtainable in sheet form that can be crimped. Steel mesh on both sides of medium prevents sagging and makes the WKE fire-resistant (models available to meet Class I Fire Underwriters approval), and cleanable without possible damage from vacuum cleaning tool or cleaning nozzle. It may also be washed or dry cleaned when and if necessary. There are no cross bars, spacer bars, or other obstructions to interfere with the cleaning operation.

Filter cells are held in rigid box-type supporting frames of heavy gauge metal by spring-loaded cam-type locking latches. Two lifting handles are provided on each cell. Filtering medium supplied already crimped and cut to size. It may be inexpensively replaced in 2 to 5 minutes right at the filter bank—no special tools required.

Frames are drilled so that they can be riveted together to form a flat bank, or by the addition of angle uprights into a "V" or staggered arrangement.

Viscous Panel (Model DPV): A permanent type panel for air conditioning systems used in heavy duty industrial service. Filtering media consist of a series of layers of crimped galvanized screen cloth and woven mesh. These media when coated with PD-10 Pingene Filter Oil form an unusually efficient filter. Model DPV filters are cleaned easily with live steam or by washing in a suitable solvent. Spring-loaded locking latches and lifting handles are provided as in Model WKE.

Both Model WKE and DPV cells are furnished in 2 in. and 4 in. depths in various standard sizes.

Kitchen Range Filter (Model PVR-3): Solves the problem of grease collection in exhaust hoods over ranges, steam tables or cookers. Eliminates fire hazard and odorous, unsanitary conditions. Features exclusive Staynew "RL" steel filtering medium made in 3 in. deep units. High quality in every respect, yet low in price.

STAYNEW LIQUID FILTER

Model ELS: Widely used for the filtration of cooling water to prevent clogging of spray nozzles. Exclusive, low-cost SLIP-ON INSERT easy to remove, clean, replace. Radial Fin Construction provides all possible filtering area in smallest possible space. Standard models available to handle up to 1000 gpm.

Representatives in Principal Cities

Complete Information from Factory on Request
FILTERS FOR INTERNAL COMBUSTION ENGINES,
COMPRESSORS, PIPE LINES; ALSO
DUST COLLECTORS