
Product Overview | Blower Filters

Inlet filters remove 99% of air-borne dirt to help keep blowers and combustion systems clean and operating efficiently.

Two styles are available:

An oil-wetted **metal** screen that can be cleaned and reused indefinitely.

A **paper** element that normally can be reused 3-6 times, then is thrown away and replaced.

2923 assemblies allow field conversion from screen to paper style, or vice versa.

BENEFITS OF CLEAN AIR

Today's precision burner orifices require clean combustion air.

Certain kinds of work in a furnace or kiln may be defaced or otherwise damaged by dirt coming through burners and depositing on the product.

Some dirt tends to collect on blower impellers, imbalancing them and causing blower damage, noise, and inefficiency.

Costs of filter and maintaining it are small compared to costs associated with dirt build-up in combustion air piping and manifolds, as well in the burners themselves:

Burner capacity may be reduced.

Burner efficiency--particularly air/fuel ratio--is likely to be affected adversely.

Dismantling large pipe is expensive and time-consuming (especially harmful if it necessitates unscheduled furnace shutdown), but it may be necessary to remove accumulated dirt.

INSPECTION AND MAINTENANCE

To maintain its low pressure loss rating--less than 0.25 psi at maximum flow--filter element should be inspected regularly, as frequently as ambient conditions dictate. When dirty, elements are cleaned as described below. Do not attempt to clean any filter while it is mounted on blower.

Keeping a spare element on hand is recommended to avoid running the blower without filter while element is being cleaned.

CYLINDRICAL METAL SCREENS (add suffix W to filter designation)

Unscrew wing nuts and remove screen element. Wash in kerosene or any commercial cleaning solution such as Oakite and water. Allow to dry thoroughly; drying can be expedited by carefully blowing compressed air through element. Immerse element in engine oil, S.A.E. 30 to 50 viscosity. Drain excess oil, and reassemble element onto blower inlet. **WARNING: Do not use gasoline to clean element—doing so could cause a gasoline vapor explosion in air piping.**

CYLINDRICAL PAPER ELEMENTS (add suffix T to filter designation)

Three alternate methods of cleaning:

1. "Reverse flush" with a stream of compressed air reduced to less than 30 psi, with effective personal protection equipment.
2. "Reverse flush" with a stream of clean, clear water (40 psi or less). Allow filter to air dry.
3. Filter can be submerged and gently agitated in a solution of lukewarm water (120°F or less) and a non-sudsing household detergent. Then rinse with clear water; shake the filter gently to remove excess water and allow it to air dry.

With proper care, an element can usually be cleaned 3 to 6 times. Be sure to inspect the element for damage after each cleaning.