



# WHY IS THE ROYAL FILTERMIST THE BEST CHOICE FOR THE METALWORKING INDUSTRY?

## High Efficiency

The Royal Filtermist maintains a continuous high efficiency through constant drum speed. Performance does not decrease with use. See page 148 for efficiency information.

## Low Maintenance

Because the unit works on a mechanical principle instead of electrostatics or multi-stage filters, the Royal Filtermist **requires significantly less maintenance** than most other filtration systems on the market. The small amount of regular maintenance that is required can be easily performed by the customer. See page 156 for maintenance information.

## Heavy-Duty Construction

When you purchase a Royal Filtermist, you receive a quality product. Features found on all units include:

- Heavy-duty 3-phase motors that meet all federal, state and local electrical and safety codes.
- All exposed surfaces on the drum and housing are powder coated for wear resistance and long life.
- Very tight manufacturing tolerances provide precise fits between mating parts and ensure that the unit will provide years of trouble-free service.

## Vibration Control

The Royal Filtermist incorporates unique features to help it overcome vibration-related problems that are sometimes associated with other centrifugal impaction type systems:

- All drums are dynamically balanced at the factory and tested before shipping.
- Vertical drum arrangement provides **even mass distribution**.
- Motor is connected to housing with four neoprene mounts, effectively isolating vibration and controlling startup torque.

## Low Operating Costs

The Royal Filtermist is cost-effective to own and operate. Other types of systems (media, electrostatic, etc.) require frequent maintenance and costly filter replacement. Companies that sell these units often push expensive maintenance contracts that can far exceed the initial purchase price. Filtermist also consumes very little electrical power compared to other systems due to the use of **energy-efficient IE3 motors**. In fact, the tighter the machine enclosure, the lower the power draw.

## No Heat/AC Waste

Processed air is returned to the shop, reducing heating and cooling costs. A/C service calls are also reduced by protecting intake filters from contaminants.

## Flexibility

Units are portable and typically service individual machines, allowing machines to be easily moved or replaced. Large central systems are connected to multiple machines by costly and non-flexible ductwork, making relocation difficult.

## Modular Design

The Royal Filtermist is a modular system. Accessories such as after filters, dust cyclones, noise attenuators, etc. can be easily added as applications require. See pages 140 – 141 for information on performance accessories.

## Easy To Install

Multiple installation configurations allow the Filtermist to overcome almost any mounting obstacle. See pages 142 – 143 for mounting details.

## Wide Range of Sizes

Four sizes ranging from 300–1200 cfm are available to suit all applications.

## Strong Technical Support

A large network of local distributors and factory-trained representatives are strategically located throughout the country to provide quick and accurate on-site technical support.

## 5-Year Warranty

Every Royal Filtermist unit carries a **5-year warranty** against failure due to manufacturing defects. Other brands are only protected for 1–2 years. Please note that our warranty does not include normal wear and tear items such as drum pads, silencers, ductwork, etc. The motor carries a one-year warranty.

## Proven Worldwide

There are over 150,000 units currently operating in over 50 countries worldwide, making Filtermist the world leader in metalworking pollution control equipment.