



ROYAL FILTERMIST PERFORMANCE ACCESSORIES

Royal Products offers a number of optional accessories designed to enhance Filtermist performance, particularly in very demanding applications. Please contact one of our engineers at 1-800-645-4174 if you have any questions regarding the use of these performance accessories.

Royal Standard After Filter



After filters are available for all Royal Filtermist models. They can be used in any application where extreme high efficiency is required, and are especially useful for dealing with the following conditions:

- ❑ Applications where heavy, dry smoke is generated along with the mist.
- ❑ Applications that produce very fine mist particles which may sometimes bypass the impaction process, (jobs that run at very high spindle speeds, high-pressure coolant, etc.).

Important – An after filter should not be used to compensate for blow-thru that could result from improper installation. If you have questions or concerns about your installation, please contact one of our engineers at 1-800-645-4174.

Standard After Filter Advantages

Easy Installation

The Royal standard after filter simply slides over the Filtermist motor and is secured in place with two toggle clips.

High Efficiency

Adding a standard after filter to a Royal Filtermist unit will greatly **increase efficiency in the sub-micron range**. See page 154 for additional information on efficiency.

Noise Reduction

An after filter reduces the noise level of a Filtermist unit by approximately 3 dB.

Long Life

Royal standard after filters have extended service lives due to their large surface area. They also last longer because the centrifugal impaction process of the Filtermist removes most of the pollutants before they ever reach the filter. Systems that rely entirely on media filters for the filtering process tend to have much shorter service lives.

Full Range

Standard after filters are available for all size Filtermist units. Models are also available for older series units.

Royal High-Performance After Filters

For very demanding applications, Royal now offers an optimized high-performance after filter.

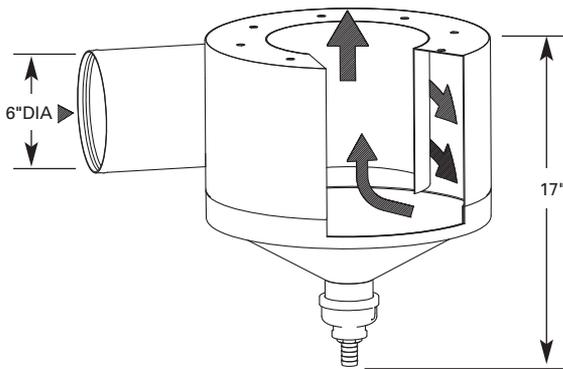
- ❑ **Great for all high-pressure oil applications – especially on Swiss machines.**
- ❑ Unique design incorporates two distinct types of filter media separated by an expansion gap.
- ❑ Integral venturi-assisted drain draws liquid away from the filter, greatly lengthening service life – testing has resulted in more than a **10x increase for certain applications**.
- ❑ Available for all Royal Filtermist FX-series units.
- ❑ In stock for immediate delivery.



Before ordering, please give one of our applications engineers a call to ensure that this filter is the correct solution for your specific application.



Royal Cyclonic Swarf Separator



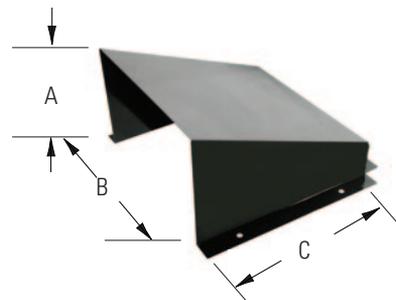
- ❑ Recommended for applications that generate solid particles, such as wet grinding dust, cast iron fines, etc.
- ❑ Also good for high-speed aluminum milling that produces light fly-away chips.

- ❑ Cyclonic action removes solid particles, ensuring that only mist is drawn into the Filtermist unit.
- ❑ Acts as a great pre-filter for high pressure coolant applications.
- ❑ **Reduces maintenance in difficult applications such as heavy grinding.**
- ❑ Easily attaches to the bottom of the Filtermist unit. Note – the separator cannot be used in direct-mount applications.
- ❑ 6" diameter intake port is located on the side of the unit.
- ❑ 5ft. of return hose is included for continuous draining.
- ❑ Two-piece design allows for easy cleaning.
- ❑ Not for use in purely dry applications.
- ❑ For models FX-900 and FX-1200 only.
- ❑ Reduces throughput of Filtermist unit by approximately 300 cfm.

Royal Chip Deflector

- ❑ Protects the Filtermist intake from chips and direct coolant splash.
- ❑ Opening is large enough to ensure that airflow and intake velocity are not negatively affected.
- ❑ **Powder coated finish** protects against rust.
- ❑ Can be used with all size Filtermist models.
- ❑ See page 151 for additional information on correct intake positioning.

MODEL	A	B	C
30220 (FX-900 & 1200)	6"	9 1/2"	10"
30222 (FX-300 & 575)	4 3/4"	8 1/2"	8 1/2"



Royal Filtermist Maintenance Monitor



The Royal Filtermist eliminates mist through centrifugal impaction, and therefore requires very minimal maintenance compared to other types of systems. However, for applications that utilize an after filter, it can sometimes be difficult to know when the filter needs to be changed.

This handy LED maintenance monitor **visually displays the status of the after filter via a green/yellow/red scale**. The unit can be retrofitted to any model Filtermist unit, and is easily mounted near the operator for optimal viewing.

In stock for immediate delivery.