



# ROYAL FILTERMIST MAINTENANCE

One of the most popular features of the Royal Filtermist is the fact that it requires minimal maintenance. Unlike media-type systems and electrostatic units, the Royal Filtermist **works almost as well when it is dirty as it does when it is clean.**

For safety purposes, it is necessary to periodically inspect the main components of the Royal Filtermist for wear or damage, especially if the unit is making loud noises or exhibiting vibration. Additionally, we recommend that these simple inspection/maintenance procedures be carried out every 2,000 operating hours, (every 1,000 hours for more demanding applications):

- ❑ Inspect the drum pads for wear and/or matter buildup that could affect airflow or cause vibration, and replace as necessary. It is important to understand that the pads that line the Filtermist drum are not filters. Their presence slows airflow through the unit, thereby maximizing contact with the drum vanes for greatest overall impaction efficiency.
- Some customers report not having to change drum pads in certain applications for periods of up to five years.** While this may or may not be the case in your application, it is important to understand that any visible sign of vibration is often related to solid matter buildup and should be addressed immediately.
- ❑ Inspect and replace the motor mounts and torque limiting straps if worn or damaged.
- ❑ Inspect silencer and replace if worn or damaged. If the silencer is saturated with oil, it is important to investigate the reason why. This could be the result of a clogged oil return channel or incorrect drum



rotation. Important — the Filtermist will create suction regardless of which way the drum spins, but it will only properly collect and return oil mist if the drum is spinning in the proper direction as indicated by the arrow on the housing.

- ❑ Inspect the housing seal and replace if necessary. This is especially important on older series units. The redesigned housing of the Filtermist FX Series virtually eliminates the chance of leakage around the seal area.
- ❑ Check all mounting fixtures such as stands and suspension kits for damage or signs of fatigue. Repair or replace as necessary.
- ❑ Check all other accessories for wear and/or damage (ducting, flange adapters, etc.). Repair or replace as necessary.
- ❑ For your convenience, **Royal Products offers complete maintenance kits for all Filtermist units.** These value-priced kits include a drum pad set, a motor mount set, a silencer, and a housing seal. These items are also available separately.

**IMPORTANT** — The recommended maintenance schedule and procedures outlined above are meant to serve as a guide for most common Filtermist applications. More detailed information is provided in the Royal Filtermist Installation and Maintenance Manual. When dealing with any equipment of this type, common sense must prevail. Any unsafe conditions pertaining to the Royal Filtermist must be immediately attended to. It is also important to understand that when Royal Filtermist units are used in demanding applications such as grinding or cast iron machining, more frequent maintenance may be required. If you have any questions regarding the maintenance or operation of your Royal Filtermist units, please refer to the Royal Filtermist Installation and Maintenance Manual or contact one of our engineers at 1-800-645-4174.

## Maintenance Items

DESCRIPTION	FX-300		FX-575		FX-900		FX-1200	
	PART NUMBER	PRICE	PART NUMBER	PRICE	PART NUMBER	PRICE	PART NUMBER	PRICE
<b>Complete Maintenance Kit</b> Complete kit provides a cost savings over individual components. Includes the following: drum pad set, silencer, housing seal, and motor mount set.	30500	<b>\$155</b>	30506	<b>\$184</b>	30402	<b>\$223</b>	30404	<b>\$235</b>
<b>Drum Pad Set</b>	30410	<b>\$38</b>	30416	<b>\$59</b>	30412	<b>\$70</b>	30414	<b>\$78</b>
<b>Silencer</b>	30520	<b>\$80</b>	30520	<b>\$80</b>	30422	<b>\$139</b>	30422	<b>\$139</b>
<b>Housing Seal</b>	30430	<b>\$19</b>	30430	<b>\$19</b>	30432	<b>\$22</b>	30432	<b>\$22</b>
<b>Motor Mount Set</b>	30440	<b>\$63</b>	30440	<b>\$63</b>	30442	<b>\$107</b>	30442	<b>\$107</b>

See page 158 for maintenance items for older series Filtermist units.