



Cleaning and Decontamination Guidelines

PureFlo ESM+ PF60 and ESM+ PF50 PAPR units with PureFlo HEPA and HEPA/HF/HC Combination Filters



The following are the recommended cleaning and decontamination steps:

1. Remove the unit after exposure and arrange for disinfection/cleaning.
2. Remove the PureFlo HEPA or HEPA/HF/HC filter cartridge which can be wiped on the outside with a damp cloth using cleaning fluid or other disinfectant.
3. Ensure that the cleaning fluid does not enter into the filter, as this may harm the filter media. The filter material is “splash resistant” but must not be immersed in the decontamination fluid.
4. Clean the exterior only of the filter thoroughly in warm (maximum 104°F) soapy water or other disinfectant (for example a bleach solution with water – maximum 10%), using a damp cloth – do not fully immerse the unit in any liquid. Remove any excess liquid with a clean, low linting cloth and leave to fully dry in a clean area.
5. Inspect the filter before next use and check that it is dry and undamaged.

Suggested Filter Change Policy

1. The particulate filters can be used multiple times.
2. The filter will continue to give protection provided that:
 - a) It is not damaged.
 - b) It does not become clogged with particulate material, which would make it more difficult for air to flow through, thus triggering the audio/visual ESM+ alarms.

3. In low dust/particulate settings, “clogging” due to the presence of particulate contamination, will generally become much less likely.
4. The filter will need to be replaced under the following circumstances:
 - a) There is visible damage to the filter.
 - b) Notification from alarm function in the unit.
 - c) In accordance with your company’s established cartridge change-out schedule as established by the appropriate internal person such as a Health and Safety Professional or an Infection Control Manager for example.
5. The PureFlo HEPA filter has a particle efficiency of >99.97% for particles of 0,3um at 170 liters per minute, and will continue to provide this level of protection provided that the filtration material inside the filter does not become damaged and the filter is not “clogged”. Do not insert anything through the inlet grill of the filter housing as this will damage the filter media. Also, do not attempt to use compressed air to blow clean the filter as this will damage the filter media.

General Cleaning for the ESM+ Series Respirator

WARNING: Never use a blow gun or compressed air on any part of the respirator.

1. For units with gross contamination ensure visor is down and unit is upright. If fitted, ensure neck cape drawstring is closed. Clean using a clean cloth with a mild solution of a household liquid soap and water. For ingrained dirt on the outside of the unit (excluding visor), a nail brush, ultrasonic brush or scouring pad may be used. Dry the unit with a clean lint free cloth – do not use heat source.
2. Wipe the inside & outside of the unit including motor plenum - PUREWIPE (PR02054SP) cleaning wipes are recommended for this purpose.
3. Do not immerse the helmet in water or any fluid.
4. Do not use organic solvents or abrasive cleaning agents on any part of the equipment.
5. Launder the neck cape or face seal, concussion strap and comfort pads as required using a mild solution of a household detergent and water (Max - 86°F).
6. Disposal and cleaning of parts should be undertaken in accordance with local health, safety and environmental regulations.
7. If a respirator has been used in an area that has caused it to become contaminated with a substance requiring special decontamination procedures, observe the precautions described in the manufacturer’s health and safety information.