



# Cleaning Guidelines (Exposure to COVID-19)

## PureFlo 1000 Full Face Mask and Half Mask with PureFlo 1000 P3 RD filters



After every exposure or suspected exposure, the user should, whilst wearing gloves:

1. Remove the mask after exposure and arrange for disinfection/cleaning
2. Remove the PureFlo 1000 P3 RD particle filters which can be wiped on the outside with a damp cloth with cleaning fluid.
3. Make sure the cleaning fluid does not go into the inside of 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. Wash and clean the mask thoroughly in warm (40°C) soapy water (or a 10% bleach solution with water), or other disinfectant. Rinse with clean water and leave to dry in a clean area.
5. Inspect the filter before next use and check that it is dry and undamaged.

### Decontamination & Cleaning Solutions

1. The PureFlo masks have been tested against bleach (1300 ppm at elevated temperature for over 3 hours). The mask continued to work when tested after this extreme (accelerated) disinfection cycle. It is expected that the mask would behave (and survive) in the same way against Chlor-Clean solutions and wipes.
  - a) Chlor-Clean is a more modern, and gentler way of producing chlorine to act as a disinfectant and can be used instead of bleach. The active biocide ingredient being Troclosene sodium.
2. Similarly, Hydrogen Peroxide Solutions have been used at elevated temperatures for ~3 hours (as above with Bleach) to decontaminate the masks, with no deterioration in the performance of the masks.

### Filter Change Policy

1. The particulate filters, and the mask itself, 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 to breathe through.
3. In a health care setting it is likely to be a very clean environment, from a particulate perspective, and clogging becomes much less likely.
4. It is expected that the respirator could be used for several months without the need to change the filters, provided that:
  - a) There is no visible damage to the filter(s).
  - b) There is no noticeable increase in the breathing resistance.
  - c) The mask continues to be disinfected and inspected routinely for efficacy.
5. If a droplet contaminated with coronavirus comes into contact with the filter media, it is no longer sterile, but it continues to prevent the virus reaching the breathing zone.
6. The PureFlo 1000 P3 filter has been shown to be >99.999986% efficient against viruses\*, 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 nor the fitting on the mask side of the filter, as this will damage the filter media.
7. A filter rotation system to ensure that only sterile filters are used at the start of a shift could be implemented as below:
  - a) The first pair of filters would be used on day 1, the second pair on day 2 and the third pair on day 3.
  - b) On day 4 the first pair would be used again. Any coronavirus will have died, and the virus load is likely to be minimal by day 4 and so the first filter pair can be considered sterile on day 4.
  - c) This cycle then repeats.

\* Nelson Laboratories VFE report 125, 8th June 2020

#### Gentex Corporation

324 Main Street  
Simpson, PA 18407  
USA  
Tel: 570.282.3550  
Fax: 570.282.8555

[www.gentexcorp.com](http://www.gentexcorp.com)

#### Gentex Europe

Commerce Road  
Stranraer  
Scotland  
DG9 7DX  
United Kingdom  
S: +44 (0) 1776 704421  
F: +44 (0) 1776 706342