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Technical Service Bulletin:

Regarding COVID-19 and its potential interaction with SENSIT Technologies' products:

There are three protective filters (referred to as "vents" by their manufacturer) on the SENSIT GOLD G2 instrument. One is in the sensor cap that filters the inlet flow of gas into the instrument. The other two are internal (not replaceable) and positioned on the instrument's exhaust and speaker cover.

These protective filters are constructed from VE8 material produced by W.L. Gore (spec sheet attached). In order for the G2 to work properly, all filters allow considerable flow-through. The pore size on the filters are relatively large; many orders of magnitude larger than that of a typical virus (20-400 nm). Additionally, the filters are made of ePTFE, a form of Teflon that is designed to be non-stick. The filter membranes are designed to minimize the amount of dust, water, and debris that can be trapped within the filter. The filter membranes prevent condensed water droplets, not water vapor, and large debris from penetrating the filter.

In summary, it is extremely unlikely that any viral agent could be trapped inside the filter membranes because, first, the material itself is resistant to trapping water, dust, and other material, and second, the pore size is significantly larger than that of the viral agent.

If viral exposure is suspected, SENSIT products can be cleaned using mild soap and a damp cloth. SENSIT does not recommend the use of alcohol or bleach-based cleaners because they can affect sensor performance and/or the time it takes to zero the instrument. **Do not spray liquid cleaners into the intake port of any SENSIT product as it may affect product performance and cause serious damage.**

Lastly, for your own safety follow CDC guidance and your company policies.

Thank you for your interest in SENSIT Technologies. Please contact us if you have additional questions.