

A photograph of laboratory equipment, including a white plastic bottle with a white cap and a clear plastic tube connected to a black component, set against a dark background. The text is overlaid on this image.

# Superior Scalable Decontamination Technology for Combating Viruses, Bacteria and Harmful Contaminants

Indoor Air Quality Webinar Sept. 18<sup>th</sup> 2020

**Our solution provides stable generation and adequate distribution of vaporised H<sub>2</sub>O<sub>2</sub> agent together with high quality monitoring.**

**Accurate and repeatable decontamination conditions ensure correct treatment times for > 6-log microbial reduction.**

# Effective against all biological threats, such as:

- Covid-19
- SARS
- MERS
- C.Auris
- Anthrax
- Fungi
- Mould
- Super-resistant bacteria
- ... and more

**Figure 5.** Descending order of microbial resistance to VHP.

In addition, VHP has also been shown to neutralize proteinaceous-based toxins (e.g. the botulinum toxin).



# H<sub>2</sub>O<sub>2</sub> and indoor air quality

## Operating principles

- H<sub>2</sub>O<sub>2</sub> is used to decontaminate air and surfaces
- Gas decontamination can also be used for removing microbes from HVAC systems, including heat exchangers and ducts
- Surface decontamination reduces microbial emissions to ambient air
- H<sub>2</sub>O<sub>2</sub> treatment is used only when treated area is vacant and sealed off
- For on-going constant microbial reduction while facilities are occupied, electrostatic methods such as Genano work very well
- The best results are achieved by combining continuous filtering with periodical H<sub>2</sub>O<sub>2</sub> decontamination

# Reliable and consistent results

Hydrogen peroxide ( $H_2O_2$ ) vapour provides excellent penetration into hard to reach locations. Sporocidal efficiency of  $H_2O_2$  vapour is activated already at 100-200 ppm concentrations. Additional fans are used for optimal air circulation to secure  $H_2O_2$  vapour distribution.

## References

Government institutions with medical applications.



**Cleamix solution is environmentally friendly and degrades into harmless water and oxygen.**



# Thank you!

All Cleamix products are available through our partner network.

For more information:  
[sales@cleamix.com](mailto:sales@cleamix.com)

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

