

Technical Bulletin – Using a Steam Vapor System with Plus+ to kill COVID-19 during Environmental Cleaning

PLUS+ EQUIPPED STEAM SYSTEMS KILL ENVELOPED VIRUSES ON SURFACES

COVID-19 is an enveloped virus that is transmitted through respiratory means. The WHO (World Health Organization) has confirmed that this virus can be transmitted close proximity with infected persons, sharing enclosed spaces and introducing the virus through touching contaminated persons/surfaces and then touching your face. They reinforce that this risk can be reduced through adherence to cleaning and disinfection best practices.

Touching your face after touching contaminated surfaces or sick people is one of the ways the [#coronavirus](#) can be transmitted"-[@DrTedros](#)

As with many potential outbreak situations, there is usually a lapse in the requirement for a chemical disinfectant and its development. The Plus+ System offered in the Intersteam Line of Steam Cleaning Systems uses the broad spectrum efficacy of heat to provide high log reductions of all enveloped viruses, as well as non-enveloped viruses and spores.

The CDC recommends:

- Environmental cleaning and disinfection:
 - Make sure that EPA-registered, hospital-grade disinfectants are available to allow for frequent cleaning of high-touch surfaces and shared resident care equipment.

Our proprietary water treatment system, the Plus+ Module uses the power of heat to kill bacteria, viruses and microorganisms. Steam Systems with Plus+ Technology provide safe operation, portability, versatility and exceptional efficacy. Using only tap water, you are able to clean and disinfect all healthcare surfaces in one step. All tools required are supplied with each steam system.

How does EPA know that these products work on SARS-CoV-2?

While the products included in [List N: Disinfectants for Use Against SARS-CoV-2](#) have not been tested against SARS-CoV-2, the cause of COVID-19, they are expected to be effective based on:

- Demonstrated efficacy against a harder-to-kill virus;
- Qualified for the [emerging viral pathogens claim](#); or
- Demonstrated efficacy against another human coronavirus similar to SARS-CoV-2.

Plus+ Equipped steam has also been proven effective. Full lab tests are available upon request. Improving best cleaning practices by integrating a steam cleaning system with Plus+ creates a proactive and effective cleaning program.

How long the coronavirus can survive on different surfaces:

		
PLASTIC = 9 DAYS	STEEL = 5 DAYS	PAPER = 5 DAYS
		
GLASS = 5 DAYS	CERAMIC = 5 DAYS	WOOD = 4 DAYS

Source: Journal of Hospital Infections 2020

This reinforces the vital importance of planning and adhering to the best practices available for environmental cleaning and disinfection in all acute healthcare facilities, as well as patient transport vehicles and long term care facilities. Steam Cleaning Systems can also be used in routine cleaning situations such as cleaning washrooms, mattresses, bed and handrails, tub and shower facilities, wheelchairs, bed tables and more.

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