

Sanitation Kits

Decontaminate Filtering Facepiece Respirators with Microwave-Generated Steam

Due to shortages of PPE during the COVID-19 pandemic, the CDC and NIOSH have adjusted their recommendations to allow for the decontamination and reuse of disposable respirator masks, also known as **Filtering Facepiece Respirators (FFR)**.

Multiple methods of decontamination have been tested and approved, including the use of **Microwave Generated Steam (MGS)**. These methods are meant as a stopgap in times of crisis and FFR shortages.

The following equipment kits and sanitation process meet CDC guidelines for FFR decontamination using microwave generated steam, for up to 20 reuses. Caution should be taken by inspecting the nose strap and elastic band for any degradation before reusing.



What's Included?



 		
KIT#	HDC12A2MGS	RFS12TSMGS
UPC	728028470864	728028470888
CONTENTS	(1) HDC12A2 1200W Oven (1) SteamPro Pan (1) SteamPro Drain Sleeve (1) SteamPro Lid (1) 100ml beaker (1) Sanitation Instructions	(1) RFS12TS 1200W Oven (1) SteamPro Pan (1) SteamPro Drain Sleeve (1) SteamPro Lid (1) 100ml beaker (1) Sanitation Instructions
LIST PRICE	\$2,900.00 USD	\$2,810.00 USD



FFRs are not included in kit

For full oven specifications and owner's manuals, visit us online: ACPSolutions.com

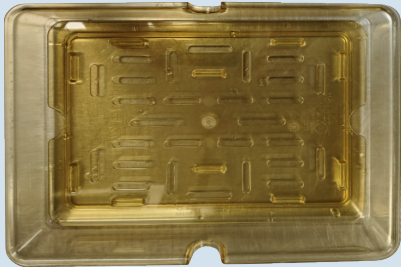
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Limited warranty provided by manufacturer.

MGS Sanitization Process

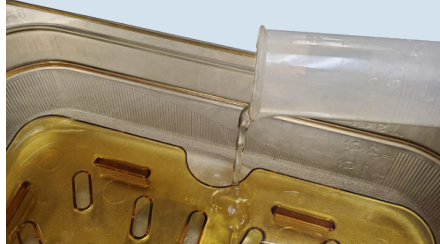
Step 1 Place the SteamPro Drain-Sleeve in the SteamPro Pan.



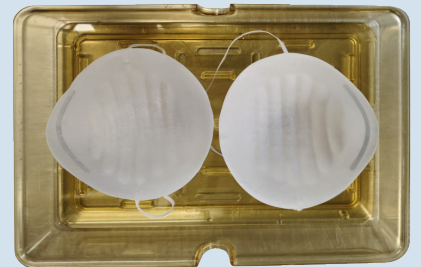
Step 2 Use beaker to measure **100ml of room temperature water** (71–77°F or 22–25°C).

Pour into the base of SteamPro Pan.

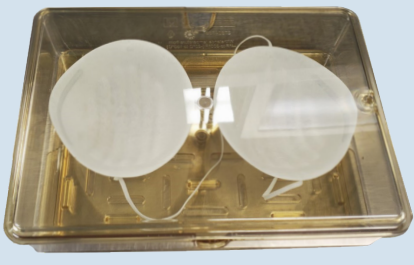
Tilt the pan to distribute an even layer of water in the bottom of the pan.



Step 3 Place **two (2)** Filtering Facepiece Respirators (FFR) in pan, with exteriors facing the bottom of the pan. Position with aluminum nose straps facing opposite one another.



Step 4 Place the SteamPro Lid on upside-down to allow sufficient space for the FFRs.



Step 5 Place the SteamPro Pan in the 1200W microwave oven.

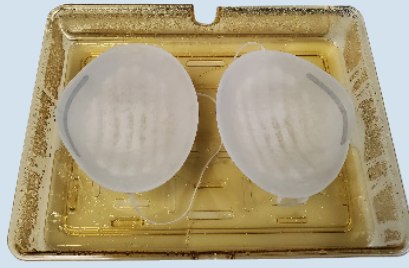


Step 6 Press **keypad 7** to operate the oven for 2 minutes at 100% power.



Step 7 When the cycle is completed, remove the pan from oven. Carefully remove lid and place the sterilized masks in a safe location.

Note: CDC research indicated no degradation for up to 20 reuses but caution should be taken by inspecting the nose strap and elastic band for any degradation.



Step 8 To ensure proper MGS process, pour the remaining water from the pan back into the beaker. Measure.

While there will always be some residual water left in the pan, the recovery should be **between 68ml – 78ml**

- <68ml may be a sign of insufficient water initially
- >78ml water recovered may be a sign of too much water initially or insufficient MW power

Disclaimer: ACP is acting in good faith in providing these instructions on how to use its products in decontaminating FFR. ACP has not conducted any testing of the method to determine its effectiveness, but rather has relied on guidance from the CDC in providing these instructions. These instructions are provided “as is” without any warranty of any kind. ACP makes no representations or warranties regarding the safety or efficacy of the method. Specifically, ACP does not guarantee that the method outlined above will be effective in eliminating viruses (e.g. sars-cov-2) or bacteria from FFR or that FFR treated according to these instruction will be effective at preventing viral or bacterial infections (e.g. COVID19).

References:

1. National Center for Immunization and Respiratory Diseases (NCIRD), Division of Viral Diseases. (2020). Decontamination and Reuse of Filtering Facepiece Respirators. Available at: <https://www.cdc.gov/coronavirus/2019-ncov/hcp/ppe-strategy/decontamination-reuse-respirators.html> (Accessed: 14 April 2020).