Honeywell 5580 Reusable Half Face Elastomeric Respirator
Doffing and Disinfection Protocol

The following protocol should be used by individuals who are fit tested and trained to wear a Honeywell 5580 reusable half face elastomeric respirator with P100 (HEPA) cartridges. Since these half face elastomeric respirators are not traditionally used in the healthcare setting, this important doffing and disinfection protocol is intended to decontaminate the respirator for safe reuse. This is an interim protocol for use during COVID-19 healthcare activities only.

**Doffing (taking off):**

1. Perform hand hygiene and don a clean pair of gloves prior to removing the respirator.
2. Set up two clean disposable absorbent pads (Chux pads) side by side, on a hard surface.
3. Unclip the bottom neck strap of respirator.
4. Holding both sides of the neck strap, carefully peel off the respirator in a bottom to top motion.
5. Place respirator interior side down on the left Chux pad (“dirty side”).
6. Disassemble respirator. Lay each piece on the “dirty side” pad.
   a. Unscrew magenta P100 HEPA filter cartridges from the facepiece.
   b. Unclip valve cover from the front of the facepiece.
   c. Detach strap assembly.
   d. There will be five separate pieces on the Chux pad.

7. **Perform hand hygiene on gloved hands with hand sanitizer.**

**Between Patients/Use Disinfection:**

1. Prepare disinfectant wipes (use only EPA registered disinfectants capable of destroying SARS-CoV-2 virus)
2. Pick up the strap assembly with the disinfecting wipe in one hand. Wipe the entire surface of the strap, saturating the elastic components.
3. Lay wipe down on the “dirty side.” Lay disinfected strap assembly onto the right Chux pad (“clean side”).
4. Perform hand hygiene.
5. Pick up first filter cartridge with the same disinfecting wipe. Wipe down entire cartridge surface. **DO NOT** insert wipe into the cartridge or saturate the white HEPA filter material inside.


7. Perform hand hygiene.


10. Pick up valve cover with the disinfecting wipe. Wipe down entire cover piece. Pick up valve cover with the disinfecting wipe. Wipe down entire cover piece.

11. Lay wipe down on the “dirty side.” Lay disinfected valve cover down on the “clean side.”

12. Perform hand hygiene.

13. Pick up the facepiece with the disinfecting wipe. Insert the other hand into the interior of the facepiece, holding it up like a sock puppet.

14. Wipe down the exterior of the facepiece with a disinfectant wipe.
   a. Ensure complete coverage, getting as deep into the cervices as possible.
   b. Include surface of the orange rubber gasket but do not remove it from the facepiece.

15. Lay facepiece exterior side down onto the “clean side.”


17. Finally, take a fresh disinfectant wipe, pick up the facepiece, and wipe the interior surface of the respirator.

18. Discard wipe. Lay disinfected facepiece on the “clean side.”

19. Allow all components to completely air dry before reassembling the respirator parts.

20. Reassemble once dry and place back in storage bag for storage. **DO NOT** place a used respirator into its storage bag unless it has been disinfected.

21. Label your storage bag with your name using a sharpie.