

Powered Air Purifying Respirator (PAPR)/Controlled Air Purifying Respirator (CAPR) Extended Use and Reuse

Equipment covered by this document:

- 3M PAPRs (Versaflow TR-300+ or Air-Mate), including hood, breathing hose, belt, and motor/battery pack
- MAXAir CAPRs (36 or 710), including Disposable Lens-Cuff (DLC), battery pack, belt, and power cord

Supplies:

- Hospital-approved disinfectant wipes or disinfectant solution with clean micro-fiber cloths
- Watch/timer/clock to monitor contact time
- Gloves
- Hand sanitizer or soap/water

Set-up:

- Designate dirty and clean space for disinfection
- Ensure above cleaning supplies are available near space for disinfection

General Guidelines	
<p>PAPR/CAPR cleaning should take place:</p> <ul style="list-style-type: none"> • When exiting Enhanced Isolation rooms, unless on a designated COVID unit • At end of your shift • When soiled 	
<p>Reuse:</p> <ul style="list-style-type: none"> • Hood/DLC may be reprocessed by an individual for their own reuse, but may not be shared between staff. • Hood/DLC may be reused as long as it remains intact. DLC must be able to maintain a good seal. • All other PAPR/CAPR equipment may be reused by multiple staff. 	
Process	
3M Versaflow TR-300+ or Air-Mate PAPR	MAXAir-36 or 710 CAPR
<ul style="list-style-type: none"> • Remove gown and gloves. (Hose and motor should be donned under the gown.) • Perform hand hygiene • Exit room • Don new gloves 	<ul style="list-style-type: none"> • Remove gown and gloves. (Battery and power cord should be donned under the gown.) • Perform hand hygiene • Exit room • Don new gloves
Remove Tyvek hood and disconnect from hose.	Remove DLC
Disinfect outside of hood. <ul style="list-style-type: none"> • DO NOT USE quaternary ammonia products, ammonia-based cleaners, acetone, or organic solvents. • Ensure all surfaces stay wet for appropriate contact time. • Residue may be removed with water or alcohol after appropriate contact time. 	Disinfect outside of DLC, including outside of chin cuff. <ul style="list-style-type: none"> • Ensure all surfaces stay wet for appropriate contact time. • Residue may be removed with alcohol wipe after appropriate contact time.
Place in clean location.	Place in clean location.
Remove motor/battery pack and breathing tube cover.	Remove helmet and battery pack.
<ul style="list-style-type: none"> • Disinfect surfaces of tube and motor/battery pack. • Ensure surfaces stay wet for appropriate contact time. 	<ul style="list-style-type: none"> • Disinfect all surfaces of helmet, power cord, and battery pack. • Ensure surfaces stay wet for appropriate contact time.
Remove gloves and perform hand hygiene.	Remove gloves and perform hand hygiene.
<ul style="list-style-type: none"> • Store cleaned hood or DLC in a clean paper bag or envelope labeled with employee name. • Place in clean, safe location until next use. • Return other equipment to charging/storage area. 	

References:

OSHA Respiratory Protection Standard 29 CFR 1910.134
 PAPR (3M Air-Mate and 3M Versaflow 300+) cleaning instructions
 MAXAir Systems User's Instructions CAPR Systems