

Chemical PAPR - User Instructions

When to Wear:

- When decontaminating patients who have, or have potentially been contaminated with chemicals
- When properly used, it helps reduce respiratory exposure to gases, vapors and particles including biological and radiological aerosols

Where to find:

- Closet in ED Ambulance Vestibule Area (Minneapolis) or Back ED Hallway Cabinets (St. Paul)

Medical Clearance:

- Before an employee wears a Chemical PAPR, they must complete the Respirator Medical Questionnaire and receive clearance from Children's Employee Health Services (EHS) to wear it.
- Fit testing is not required for the Chemical PAPR

Suit Limitations:

- Will not provide protection in oxygen deficient environment
- PAPR may limit visibility and communication
- Hood, in combination with chemical suit, may be warm

Proper Care & Maintenance:

- For general cleaning, wipe the outside surfaces of the PAPR system with a solution of warm water and mild detergent. Do not clean with organic solvents. Do not soak the blower unit or battery in cleaning solutions.
- Wipe inside of PAPR with a Sanicloth
- Store components in a cool dry area that is free from contaminants and direct sunlight.

Before Use:

- Inspect hood or face piece for damage
- Check breathing tube for any punctures
- Ensure that cartridges have not expired and have not been opened
- Check body of the motor blower unit for cracks or general wear
- Ensure that battery has been charged or that there are enough hours remaining on the battery
- Perform air flow check



How to Don, Doff, Adjust and Put on Chemical PAPR & Suit:

Donning: Put PPE on in the following order

- Test PAPR flow rate
- Put on inner Nitrile Gloves
- Put on chemical suit (Tychem, Type F, etc.) to waist
- Put on outer boots with suit taped over boots with a tape tab for easy removal.
- Put on Neoprene Gloves with suit taped over gloves. Leave a tab.
- Connect PAPR Hood with hose: turn airflow on. Put on Butyl Hood (inner shroud tucked inside). Put chemical suit up and on
- Apply hood belt and battery pack
- Place a piece of tape on the hood exterior(back) with staff's name and time placed into the suit

Doffing: Take PPE off in the following order

- Remove tape from boots and gloves
- Unclip the battery pack belt and place on the ground or have a helper hold on to.
- Remove the suit – roll the suit away from you, inside out (with help from a partner). Avoid Shaking
- Remove outer gloves along with the suit.
- Remove PAPR, place in proper bin.
- Remove boot/shoe cover from one foot and step over the clean line into the cold zone.
- Remove inner gloves: first pinch one glove and roll it partially, then place thumb in the other glove and remove both gloves at the same time simultaneously.
- Personnel should then move to a shower area, remove all under garments/clothing and place them into a plastic bag. Double bag all clothing and label appropriately.

