

### POWERED AIR PURIFYING RESPIRATORS (PAPRS)

For some high risk clinical and research work, EHS has provided powered air-purifying respirators (PAPR). With a PAPR, the wearer attaches a battery, blower and filter at their waist. The blower powers air through the filter, up a hose and blows filtered air into a hood worn by the user. This type of respirator provides the highest level of protection



**Please Note:** You must be trained on proper use of a PAPR and medically cleared prior to use. The instructions below are for a specific model of PAPR and supplement, not replace, the required training. For more information on training and medical clearance, contact EHS at [ehs@yale.edu](mailto:ehs@yale.edu) or 203-785-3550.

### Quick Start Instructions: 3M™ Versaflo™ Powered Air Purifying Respirator

<p><b>1. Inspect the following PAPR system parts for damage:</b></p> <ul style="list-style-type: none"> <li>• Blower (with filter)</li> <li>• Battery</li> <li>• Breathing tube and headgear</li> </ul>	
<p><b>2. Press TEST button on battery to confirm charge is sufficient.</b></p>	
<p><b>3. Attach battery pack to bottom of motor/blower until it clicks.</b></p>	
<p><b>4. Perform flow check:</b></p> <ol style="list-style-type: none"> <li>a. Insert air flow indicator into the outlet on the blower.</li> <li>b. Press the blue power button and let it run for one minute.</li> <li>c. Bottom of the floating ball must be at or above minimum flow level.</li> <li>d. Remove the flow indicator.</li> </ol>	

5. Perform the low flow alarm check.
- With the blower on, block the outlet until low flow alarm sounds accompanied by the warning light.
  - Turn off the blower by pressing down on the power button until it beeps.

**NOTE: Do not use PAPR units that fail the minimum flow or low alarm test.**



6. Assemble the PAPR system.
- Insert the end of the breathing tube with the two small prongs into slots in the blower air outlet and twist 1/4 turn clockwise to lock.
  - Attach the breathing tube to headgear. Push breathing tube (blue pinch clip) onto the air inlet of the headgear until it clicks.



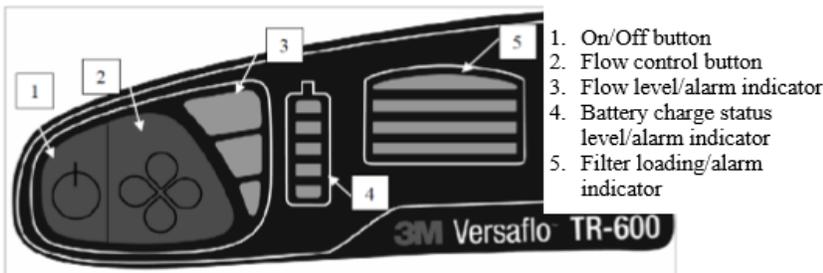
7. Turn on the blower and wear the PAPR on your back.  
(Keep fan speed at the lowest setting to preserve battery)



8. Wear the headgear.

9. Watch for the warning alarms while using the PAPR (see figure 1 for interface).
- Low battery indicator + alarm – Replace the battery or leave the area.
  - Low flow alarm – Leave the area and stop using the unit.

Figure 1: TR-600 Motor/Blower User Interface



Scan for an instructional video.

