

3M™ Versaflo™ Powered Air-Purifying Respirator (PAPR) Instructions



1 Inspect the PAPER components (motor/blower, breathing tube, battery, filter/filter cover, head gear) to ensure that no parts are missing or damaged.



2 Charge the battery in the battery charger cradle prior to use. Ensure the battery clicks into place. The cradle will indicate the status of the battery charge.



3 If using a filter cover, the size of the filter cover must match the size of the filter/cartridge provided to you for your specific job hazards. Example chemical/HEPA cartridge shown at left (BLACK/PURPLE label) and HEPA filter shown at right (PURPLE label).



4 Insert filter/cartridge into filter cover. Ensure the latching tab snaps into place.



5 If installed correctly, the filter/cartridge label should appear in the window of the filter cover. HEPA filter shown (PURPLE).



6 Place the hinge side of the filter/cartridge into the motor/blower. A distinct click will be heard. Gently pull to ensure a firm connection.



7 Remove the battery pack from the charger cradle by pressing on the blue button.



8 Press the TEST button on the bottom of the battery to confirm sufficient charge.



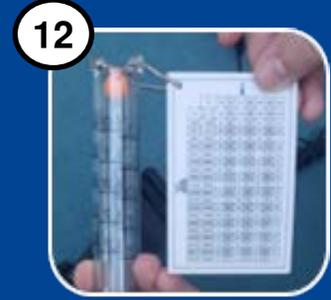
9 Attach the battery pack into the bottom of the motor/blower. A distinct click will be heard. Gently pull the battery to ensure it is firmly attached.



10 Turn the motor/blower ON. Let the unit run for 1 minute.



11 Insert the air flow indicator into the outlet on the motor/blower. With the air flow indicator in a vertical position, ensure the floating ball is at or above the minimum flow level for your zone on the attached chart.



12 If not above the minimum level, do NOT use the unit. Remove it from use and check the battery and filter/cartridge, or have it serviced. If minimum air flow is achieved, proceed with these PAPER instructions.

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13 Perform a low flow alarm test by blocking air flow with your palm. The motor/blower unit should emit an audible alarm and show a flashing red light in ~30 seconds. If no alarm sounds, remove it from use and have it serviced. If the alarm sounds, proceed with these PAPR instructions.



14 Attach the breathing tube end (with metal prongs) to the motor/blower unit.



15 Twist ¼ turn clockwise to lock. Gently pull on the breathing tube to ensure a good connection.



16 Insert the air flow indicator into the outlet of the breathing tube. With the air flow indicator in a vertical position, ensure the floating ball is at or above the minimum flow level.



17 If not above the minimum level, re-inspect the breathing tube for blockage or damage. Replace the breathing tube if minimum air flow is not achieved, then re-check air flow. Turn motor/blower unit OFF to continue assembly.



18 Attach the breathing tube to the hood. Push the end of the breathing tube into the air inlet of the hood. You will hear a click. Gently pull to confirm the breathing tube is secure.



19 Attach the motor/blower to the PAPR belt. Insert the prongs on the back of the motor/blower into the grommets on the belt. Slide the belt upward to secure into place.



20 Turn ON the motor/blower. Don the motor/blower with the breathing tube around the waist and at the back.



21 Follow instructions for "Donning Loose-Fitting Headgear for PAPRs" on pages 3 & 4 of this document.



22 Once the PAPR has been donned, fan speed can be adjusted using the blue fan button adjacent to the power button (600 model) or the blue power button (300+ model) (shown in step 10).



23 Ensure additional PPE is in place before starting work tasks.

24 Follow "Post PAPR Use Instructions" (page 5) of this document upon completion of work tasks.

Donning Loose-Fitting Headgear for PAPRs



There are three general types of loose-fitting headgear for PAPRs:

A) Headcover

B) Hood with *single* shroud

C) Hood with *double* shroud

Regardless of the PAPR headgear that you use, follow these important steps.



If the headgear is new, remove the protective film on the visor.



If the headgear is equipped with an adjustable plastic suspension, it may be adjusted to achieve a comfortable fit.



Prior to donning the headgear, ensure that the headgear is attached to the motor/blower with the breathing tube, the motor/blower is worn at the back and turned ON.

5 Which type of headgear are you using?

A **B** **C**

To continue donning/doffing your headgear, proceed to the section that matches your headgear type.

A HEADCOVER



With the breathing tube attached and laying over your shoulder, bring the headcover to your front.



Pull the headcover over your head so the visor is in front of your face. The comfort pad should be worn at the forehead, just above the eyebrows.



To ensure the best fit, the elastic edge of the headcover should contact your face under the chin, and in front of the ears. The headcover **should not** cover the ears.



Air will flow around the face. This is a properly fitting headcover (shown above).



If required, perform hand hygiene. Don any remaining PPE as required by your department.

DONNING PROCEDURE COMPLETE

THIS HEADCOVER IS TOO SMALL FOR THE USER

Properly fitting headgear will be comfortable to wear and protect the user as intended. In these photos, the small circumference of the head suspension does not allow the comfort pad to be worn at the forehead. Additionally, the visor is too close to the face.

Donning Loose-Fitting Headgear for PAPRs



B

HOOD WITH SINGLE SHROUD



6 With the breathing tube attached and laying over your shoulder, bring the single shroud hood to your front.
Gather the shroud to expose the hood opening.



7 Pull the hood over your head so the visor is in front of your face.
The comfort pad should be worn at the forehead, just above the eyebrows.



8 The elastic edge of the hood should contact your face under the chin, and in front of the ears.
You should feel air flowing around the face.



9 Adjust the single shroud so that it drapes over the shoulders.
The single shroud is designed to lie **OUTSIDE** the protective garment being worn, **NOT INSIDE**.



If required, perform hand hygiene.



Don any remaining PPE as required by your department.

DONNING PROCEDURE COMPLETE

C

HOOD WITH DOUBLE SHROUD



6 The double shroud hood has an inner soft shroud that goes **UNDER** the protective garment and an outer shroud that lays **OVER** the protective garment.



7 With the breathing tube attached and laying over your shoulder, bring the hood to your front.
Gather the shrouds at the back of the hood and under the breathing tube connection to expose the hood opening.



8 Pull the hood over your head so the visor is in front of your face. The comfort pad should be worn at the forehead, above the eyebrows. The elastic edge should be under the chin, and in front of the ears.
You should feel air flowing around the face.



9 Grab the inner shroud in the front.



Tuck the **inner** shroud in and around the **FRONT, BACK,** and **SIDES** of your protective garment.



The **inner** shroud should be tucked into your protective garment all around the neck.



10 Adjust the **outer** shroud so that it drapes over the shoulders, **OUTSIDE** of your protective garment.



If required, perform hand hygiene.



Don any remaining PPE as required by your department.

DONNING PROCEDURE COMPLETE

Post PAPR Use Instructions



1

The PAPR assembly should be cleaned regularly. Follow the hygiene practices established for your worksite for the specific contaminants to which the respirator assembly has been exposed.



2

Cleaner/Disinfectant

In general, many commonly used water-based hard-surface cleaners may also be used that will not damage the PAPR system. See Tables A and A2 in the [Inspection, Cleaning, and Storage Procedures for 3M™ Versaflo™ PAPR TR-300, TR-300+, and TR-600](#) for a list of tested cleaners and their effects.

Choose a product from this list to prevent potential damage to the PAPR.

3

Do not use organic solvents (e.g., toluene, paint thinner) or abrasive cleaners as they may weaken and damage the plastic.

Do not use cleaners that leave a residue.

Do not allow liquid to enter the air inlet port or breathing tube port.



4

When PAPR headgear is known or suspected to be contaminated, it should be cleaned with gloved hands before doffing.



5

Remove gloves and perform hand hygiene.

Don a new pair of gloves.



6

Doffing Headgear

Lean forward slightly and remove the headgear by grabbing from top, tipping forward, and pulling away from face. Take care not to touch skin with head cover or breathing tube.



7

When PAPR headgear is reused, it should be cleaned and/or disinfected after each shift or when appropriate. Follow the appropriate cleaning and/or disinfection procedures as defined by your department.



8

Unbuckle the PAPR motor/blower from waist.



9

Clean the Motor/Blower, Battery Pack, Belt and Breathing Tube

The outer surfaces of the motor/blower assembly and battery pack may be wiped with a soft cloth dampened in a solution of water and mild, pH neutral detergent. When appropriate, use disinfectant wipe(s) to thoroughly disinfect the outside of the motor/blower and breathing tube.



10

Remove gloves and perform hand hygiene.



11

Remove and charge the PAPR battery for the next user.



12

Clean Storage

Inspect the PAPR for any damage. Store the PAPR components in a designated area that is clean and free from contaminants.