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> HANUU Portable PAPR Respirator System User Manual

HANUU Papr-black

HANUU Portable PAPR Respirator System User Manual

Model: Papr-black

1. INTRODUCTION

This user manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your HANUU Portable PAPR Respirator System. This high-efficiency powered air purifying respirator is designed to deliver a continuous supply of filtered air, ensuring respiratory protection in environments with airborne contaminants. It is suitable for various industrial applications, including tunnel construction and underground operations.

2. SAFETY INFORMATION

WARNING: Always read and understand all instructions and warnings before using this product. Failure to do so may result in serious injury or death.

- Do not use this PAPR system in environments that are immediately dangerous to life or health (IDLH).
- Ensure all connections are secure before operation to prevent air leakage.
- Regularly inspect the mask, hoses, and blower unit for damage or wear. Replace damaged components immediately.
- Do not modify the system. Use only genuine HANUU replacement parts.
- Consult local safety regulations and standards for proper use in your specific work environment.
- This device is not intended for use in oxygen-deficient atmospheres.
- Always ensure the power source is appropriate for the blower unit.

3. PACKAGE CONTENTS

Verify that all items listed below are present and undamaged upon unpacking.

- 1x PAPR Blower Unit
- 1x Full-Face Mask
- 1x 33ft Air Supply Hose (white)

- 1x 20-inch Flexible Hose (black)
- 1x Power Cable
- 1x Adjustable Head Strap (for blower unit, if applicable)



Figure 3.1: Complete HANUU PAPR System Components. This image displays all parts included in the package: the full-face mask, the main blower unit, the long 33-foot white air supply hose, the shorter black flexible hose, and the power cable.

4. COMPONENTS OVERVIEW

Familiarize yourself with the main components of the PAPR system.

4.1 Full-Face Mask

- **Convex Impact Resistant Lens:** Provides a clear and wide field of vision.
- **Soft Silicone Seal:** Ensures a comfortable and secure fit, minimizing pressure points.
- **Adjustable Mesh Head Strap:** Allows for a customized and stable fit.

- **6-point Headband:** Distributes pressure evenly for prolonged comfort.
- **40mm Standard Thread Interface:** For connecting the air supply hose.
- **Quick Bayonet Connection:** For secure attachment of the flexible hose to the mask.



Figure 4.1: Full-Face Mask Features. This image details the ergonomic design of the full-face mask, showing its convex impact-resistant lens, soft silicone seal, adjustable mesh head strap, 6-point headband, 40mm standard thread interface, and quick bayonet connection.

4.2 PAPR Blower Unit

- **High-Performance Motor:** Delivers continuous and stable airflow.
- **Intuitive Control Panel:** Simple operation with stepless airflow adjustment.
- **Air Inlet/Outlet:** Connects to the air supply hose.
- **Power Port:** For connecting the power cable.

HIGH EFFICIENCY PAPR SYSTEM

Plug-and-Play

Air flow $\geq 226\text{L}/\text{min}$

Stepless Speed Adjustment



Figure 4.2: PAPR Blower Unit. This image illustrates the blower unit, emphasizing its high-efficiency design, plug-and-play functionality, and stepless speed adjustment for airflow control.



Figure 4.3: Blower Unit Portability. This image demonstrates the compact and portable design of the blower unit, highlighting its dimensions (5.5 inches height, 5.9 inches width/depth).

4.3 Air Supply Hoses

- **33ft White Air Supply Hose:** Provides long-distance air delivery from the blower unit.
- **20-inch Black Flexible Hose:** Connects the long hose to the full-face mask.

LONG-DISTANCE AIR SUPPLY

33ft Extended Air Supply Hose



Figure 4.4: Long-Distance Air Supply. This image shows a user wearing the full-face mask with the 33ft extended air supply hose, illustrating its capability for use in confined or remote environments.

5. SETUP AND ASSEMBLY

Follow these steps to correctly assemble your PAPR system.

1. **Connect the 33ft white air hose to the blower unit:** Securely attach the larger white air supply hose to the air outlet port on the PAPR blower unit.
2. **Attach the 20-inch black hose to the white hose:** Connect one end of the shorter black flexible hose to the free end of the 33ft white air supply hose.
3. **Connect the black hose to the gas mask:** Attach the other end of the 20-inch black flexible hose to the 40mm standard thread interface on the full-face mask. Ensure a tight and secure connection.
4. **Plug in the blower to power on:** Connect the power cable to the blower unit and then plug it into a suitable power outlet. The system is now ready for operation.

PAPR INSTALLATION GUIDE



01 Connect the 33 ft white air hose to the blower unit.



02 Attach the 20-inch black hose to the white hose.



03 Connect the black hose to the gas mask.



04 Plug in the blower to power on.

Figure 5.1: PAPR Installation Guide. This visual guide demonstrates the four key steps for setting up the PAPR system: connecting the 33ft white air hose to the blower unit, attaching the 20-inch black hose to the white hose, connecting the black hose to the full-face mask, and finally, plugging the blower unit into a power source.

6. OPERATING INSTRUCTIONS

Once assembled, follow these steps for safe operation.

1. **Don the Full-Face Mask:** Place the full-face mask over your head, ensuring the soft silicone seal fits snugly around your face. Adjust the 6-point headband and mesh head strap for a comfortable yet secure fit.
2. **Power On the Blower Unit:** With the power cable connected, turn on the blower unit using the designated switch. You should immediately feel airflow into the mask.
3. **Adjust Airflow:** Use the stepless airflow adjustment control on the blower unit to set the desired air volume. Adjust until breathing feels comfortable and the mask remains clear of fogging.
4. **Perform a Seal Check:** Before entering a contaminated area, perform a positive or negative pressure seal check according to standard respirator procedures to ensure no air leakage.

- 5. **Monitor Operation:** During use, periodically check the airflow and the integrity of all connections.
- 6. **Power Off:** When finished, turn off the blower unit and carefully remove the mask.

7. MAINTENANCE

Proper maintenance ensures the longevity and effectiveness of your PAPR system.

7.1 Cleaning

- **Mask:** After each use, clean the full-face mask with a mild soap and water solution. Rinse thoroughly with clean water and allow to air dry completely. Do not use abrasive cleaners or solvents.
- **Hoses:** Wipe down the exterior of the hoses with a damp cloth. Ensure no debris enters the hoses.
- **Blower Unit:** Wipe the exterior of the blower unit with a dry or slightly damp cloth. Do not immerse the blower unit in water or spray liquids directly onto it.

7.2 Storage

- Store the PAPR system in a clean, dry, and cool place, away from direct sunlight and extreme temperatures.
- Ensure all components are dry before storage to prevent mold or mildew growth.
- Avoid storing the mask in a way that could deform the silicone seal.

7.3 Filter Replacement (General Guidance)

While specific filter details are not provided, PAPR systems typically require filter replacement.

- Consult the filter manufacturer's instructions for replacement intervals.
- Replace filters when airflow significantly decreases, or when odors/tastes are detected.
- Always use genuine replacement filters compatible with your HANUU PAPR system.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No airflow from blower unit.	Not plugged in. Power switch off. Power outlet malfunction. Blower unit malfunction.	Ensure power cable is securely plugged into unit and outlet. Turn power switch to ON position. Test outlet with another device. Contact customer support.
Reduced airflow.	Hose kinked or blocked. Filter clogged (if applicable). Airflow setting too low.	Check hoses for kinks or obstructions. Replace filter (if applicable). Adjust airflow setting on blower unit.
Mask not sealing properly.	Improper fit. Silicone seal damaged. Hose connection loose.	Readjust head straps for a snug fit. Inspect seal for tears or damage; replace mask if necessary. Ensure all hose connections are tight.

9. SPECIFICATIONS

Feature	Detail
Model	Papr-black
Brand	HANUU
Item Weight	12.77 pounds
Package Dimensions	16.54 x 14.33 x 11.5 inches
Color	Papr-black
Style	Protection
Material	Silicone
Hose Length (Long)	33 feet
Airflow	≥ 226 L/min (as per image)
Filter Class	PAPR

10. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact HANUU customer service. Refer to your purchase documentation or the official HANUU website for specific warranty terms and contact details.

