

Technical Datasheet

Venus PAPR

A time-tested powered respiratory system.
 An easily replaceable filter.



EN 12941:1998 +A2 : 2008
 European Approval

VENUS FreFlow V1 Intelligent Air Supply

Auto-alarm System
 Real-time Display Indicator
 Filter Efficiency >99.97%
 Item # 110356701

VENUS FreFlow V3 Intelligent Air Supply

Auto-alarm System
 Real-time Display Indicator
 Filter Efficiency >99.97%
 Item # 110356601

VENUS FreFlow Medical Intelligent Air Supply

Auto-alarm System
 Real-time Display Indicator
 Filter Efficiency >99.97%
 Item # 030348601

VENUS FreFlow Set with tyvek hood

Auto-alarm System
 Real-time Display Indicator
 Filter Efficiency >99.97%
 Item # 110351001



Spares for PAPR



Venus Medical Hood
 Item # 030348501
 Item # 110351401



V3- Auto Dark Hood
 Item # 010348801



G10- Grinding Hood
 Item # 110352501



Auto Dark Hood
 Item # 010348901



Unit only
 Item # 010349001



Hose Pipe
 Item # 170366601



Charger
 Item # 170366501



Battery
 Item # 170366401



Particle Filter
 Item # 170366301

Technical Specifications:

- **Filter Efficiency:** >99.97%.
- **Approval Certification:** CE 0194, EN 12941:1998 + A2:2008.
- **Variants:**
 - **VENUS FreFlow V1:** Intelligent air supply, real-time display, and auto-alarm.
 - **VENUS FreFlow V3:** Similar to V1 with enhanced features.
 - **VENUS FreFlow Medical:** Designed for medical environments with similar advanced systems.
 - **VENUS FreFlow Set:** Includes Tyvek hood, auto-alarm system, and real-time display.

Features of Venus PAPR:

1. **Eye/Face/Respiratory Protection:** High-quality welding helmet integrated with a powered air-purifying respirator system.
2. **Auto-Alarm System:** Equipped with flashing indicators, beeping sounds, and a vibrating blower.
3. **Intelligent Air Supply:** Automatically adjusts the air flow rate to prevent filter blockages.
4. **Real-Time Display Indicator:** Provides data on filter status, airflow rate, battery capacity, and other metrics.

Benefits of Venus PAPR:

1. **Eye/Face/Respiratory Protection:** Protects against radiation, spatter, dust, pollutants, fine particles, and other contaminants, ensuring comprehensive safety.
2. **Auto-Alarm System:** Enhances safety by promptly alerting the user in case of potential hazards.
3. **Intelligent Air Supply:** Ensures uninterrupted airflow for consistent respiratory protection.
4. **Real-Time Display Indicator:** Enables real-time monitoring and management of the system for maximum efficiency and safety.

Cautions & Limitations:

1. Ensure proper fit and seal for effective protection; improper use may reduce performance.
2. Regularly monitor the real-time display for filter status and battery capacity to avoid interruptions.
3. Use only in environments suitable for powered air-purifying respirators; not for oxygen-deficient or immediately dangerous atmospheres.
4. Follow maintenance guidelines to prevent filter blockages and system malfunctions.

User Instructions for Venus PAPR:

1. **Before Use:** Inspect all components and ensure the filter and battery are properly installed and charged.
2. **During Use:** Wear securely for a proper seal and monitor the real-time display. Respond to any auto-alarm alerts immediately.
3. **After Use:** Turn off the unit, clean components, and store in a dry, clean space.
4. **Maintenance:** Replace filters as needed and use only approved accessories. Follow cleaning and servicing guidelines regularly.
5. **Caution:** Not for oxygen-deficient or immediately hazardous environments.

Applications of Venus PAPR:

1. **Industrial Environments:**
 - Protection against dust, pollutants, and airborne particles in factories and processing units.
2. **Dusty Environments:**
 - Ideal for construction, cement plants, and mining areas.
3. **Automotive & Shipbuilding:**
 - Used for grinding, welding, spray painting, and material handling.
4. **Food Industry:**
 - Ensures safety in processing, bagging, and material handling.
5. **Grinding & Surface Finishing:**
 - Shields against sparks, fine dust, and hazardous particles.
6. **Foundry & Welding:**
 - Protects from fumes, metal dust, and heat in smelting and welding tasks.
7. **Bagging & Processing:**
 - Suitable for packaging powdered or granulated materials like flour or cement.