

Technical Datasheet

Venus V-800

Reusable Half Face Mask



VENUS V-800 HFM - TPE

Compatible with Venus single V-7800 Filters

Item #	Colour	Size
110532701	BLUE	SMALL
110532101	GREY	MEDIUM
110532801	BLACK	LARGE

Technical Specifications

- **Type:** Reusable Half Face Mask
- **Size Options:** S, M, L
- **Material:** Soft thermoplastic elastomer (TPE)
- **Strap:** 4-point adjustable elastic band
- **Exhalation Valve:** Yes
- **Cartridge Type:** Threaded, replaceable
- **Elastic Type:** Latex-free braided textile elastic

Features of V-800

- 1. Lightweight Body:** The mask is made from a soft thermoplastic elastomer (TPE), which is both durable and flexible.
- 2. Exhalation Vent Valve:** Equipped with an exhalation valve that facilitates the escape of carbon dioxide and warm exhaled air.
- 3. Latex-Free Elastic Straps:** Uses braided textile elastic that is free from latex, preventing allergic reactions and maintaining durability under high temperatures.
- 4. 4-Point Adjustable Elastic Band:** The headband consists of four adjustable anchor points, allowing for a customized and secure fit around the head.
- 5. Threaded Cartridge System:** The mask supports a threaded filter cartridge system, making it easy to attach and replace filters as needed.
- 6. Compatibility with Other PPEs:** Designed to work alongside various Personal Protective Equipment (PPE), including safety helmets, face shields, and goggles.

Benefits of V-800

1. **Lightweight Body:** Reduces strain on the wearer, making it comfortable for long-duration use with minimal hindrance to movement and work efficiency.
2. **Exhalation Vent Valve:** Enhances breathability, reduces heat buildup inside the mask, and prevents discomfort, especially during prolonged use in hot or humid environments.
3. **Latex-Free Elastic Straps:** Provides a comfortable and skin-friendly fit, making it suitable for extended wear without irritation or deformation, even in harsh conditions.
4. **4-Point Adjustable Elastic Band:** Evenly distributes weight and pressure, reducing stress points on the face and ensuring the mask remains in place during rigorous activities. This improves safety and stability while wearing the mask.
5. **Threaded Cartridge System:** Simplifies filter maintenance, extends the mask's lifespan, and ensures continued protection by allowing quick replacement of used or expired filters.
6. **Compatibility with Other PPEs:** Enables multi-layered protection in industrial and hazardous environments without interfering with other protective gear, enhancing overall safety.

Cautions and Limitations:

1. Not for oxygen-deficient areas (<19.5% oxygen).
2. Replace filters regularly for continued protection.
3. Ensure a proper seal; facial hair may affect fit.
4. Check chemical compatibility before use.
5. Not for firefighting or extreme heat exposure.
6. Store in a cool, dry place away from contaminants.
7. Do not use if damaged (mask, straps, or valves).

User Instructions:

- Ensure a snug fit by adjusting the 4-point elastic strap.
- Replace the threaded cartridge when necessary.
- Verify the mask is compatible with required PPEs.
- Use in environments where protection from particulates, gases, and vapors is needed.
- Store in cool, dry conditions when not in use.

Applications:

1. **Automobile, Petrochemicals & Agrochemical:** Painting, Powder coating, Solvent handling, Maintenance department, Pesticides spraying
2. **Battery:** Lead handling, acid handling
3. **Chemical & Cold storage:** Laboratory, Coating, Bonding, Handling, Warehouses
4. **Engineering & Mining:** Welding, Powder coating, Painting, Drilling
5. **Foundries:** Foundry areas
6. **Paints:** Paint spray, Mixing, Resins
7. **Pharmaceuticals:** Bulk drugs, Material handling
8. **Ships & Sewage:** Tank cleaning, Drains