

# Technical Datasheet

## Venus V-500

Reusable Half Face Mask



ISI Approved

### VENUS V-500 HFM - TPE

Compatible with Venus single V-7500 Filters

Item #	Colour	Size
110533701	BLUE	SMALL
110532001	GREY	MEDIUM
110533801	BLACK	LARGE



Sweat Port



Neck Strap



TPE Material



Adjustable Strap

### Technical Specifications

- **Sizes Available:** Small (S), Medium (M), Large (L).
- **Compatible Filters:**
  - V7500 filters (Blue, Gray, and Black corresponding to small, medium, large sizes).
- **Construction Materials:**
  - Sweat port, neck strap, TPE material, adjustable strap.
- **Spare Parts:**
  - Exhalation valve (Item #170538101) available as a spare.

### Features of V-500

1. **Lightweight Body:** Constructed with soft thermoplastic elastomer (TPE).
2. **Exhalation Vent Valve:** Integrated valve for airflow and ventilation.
3. **Latex-Free Elastic:** Braided elastic free of latex.
4. **Single Filter:** Low-profile, compact filter design.
5. **4-Point Strap Tightening with Head Cradle:** Includes front pull straps and a head cradle system.
6. **Adjustable Elastic Band:** Elastic with adjustable settings.
7. **Threaded Cartridge:** Easy-to-install threaded system.

## **Benefits of V-500**

1. **Lightweight Body:** Reduces strain, offers skin-friendliness, and requires low maintenance.
2. **Exhalation Vent Valve:** Releases CO<sub>2</sub>, reduces heat, and improves comfort during extended use.
3. **Latex-Free Elastic:** Hypoallergenic, skin-friendly, durable, and maintains a secure fit.
4. **Single Filter:** Enhances peripheral vision, simplifies maintenance, and increases convenience.
5. **4-Point Strap Tightening with Head Cradle:** Provides ergonomic fit, reduces pressure points, and prevents slippage.
6. **Adjustable Elastic Band:** Ensures even weight distribution, head support, and a snug fit.
7. **Threaded Cartridge:** Simplifies filter replacement, ensures secure fit, and offers versatile compatibility.

## **Cautions and Limitations:**

1. Ensure a proper fit and seal before use; an improper seal may reduce effectiveness.
2. Not suitable for use in environments with low oxygen or unknown contaminants.
3. Replace filters and cartridges as needed to maintain protection.
4. Avoid using if the mask or components are damaged or improperly maintained.
5. Follow all user instructions and local regulations for safe operation.

## **User Instructions:**

1. Inspect the mask, straps, and filters for damage before use.
2. Securely attach the filter cartridges and ensure proper threading.
3. Adjust the 4-point straps and elastic band for a snug, comfortable fit.
4. Perform a fit check by covering the filters and inhaling gently to ensure no air leaks.
5. Clean and store the mask in a dry, ventilated area after each use.
6. Replace filters or components as needed to maintain performance.
7. Follow manufacturer guidelines and local safety regulations during 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