

## Technical Datasheet

### Venus E-501

Dust and Liquid Splash Protection.



**Venus E-501** Item # 110126501  
Clear Hard Coated

**Venus E-501** Item # 110116901  
Clear Hard Coated – Anti Fog

**Venus E-501** Item # 140113801  
Clear Hard Coated  
Blister Pack



#### Technical Specification:

Certified with ANSI Z87.1 and IS 8521-1 for assured performance and reliability.

- **Style:**
  - **Direct Ventilation:** Enhanced splash protection and fog prevention.
  - **Frame Material:** PVC (Polyvinyl Chloride) – Resistant to chemicals, ensuring durability in harsh environments.
  - **Compatibility:** Over-the-glass (OTG) design – Comfortable wear over prescription eyewear.
  - **Size and Weight:** Small, compact, and lightweight, ensuring ease of use for extended periods.
  - **Quality Mark:** Compliance with safety standards to assure reliable performance.
- **Headband:**
  - **Material:** Textile headband for improved user comfort.
  - **Adjustability:** Side adjustment feature for a customizable, secure fit.
- **Lens:**
  - **Coating:** Hard-coated lens for abrasion resistance.
  - **Impact Protection:** Designed to withstand impacts and provide high protection from flying debris.
  - **UV Protection:** Filters harmful ultraviolet radiation, safeguarding eyes from sun exposure.
  - **Visibility:** Offers clear vision for better performance and safety.

#### FEATURES AND BENEFITS

1. **Direct Ventilation:**
  - The direct ventilation ensures enhanced splash protection while also preventing fogging, maintaining clear visibility even in humid or high-temperature environments.
2. **Chemical-Resistant PVC Frame:**
  - The frame is made from durable PVC material, providing resistance to chemicals, acids, and other hazardous substances, making the goggles ideal for industrial and laboratory use.
3. **Over-the-Glass (OTG) Compatibility:**
  - Designed to comfortably fit over prescription eyewear, allowing users to wear both safety goggles and corrective lenses simultaneously.

4. **Compact and Lightweight Design:**
  - Small and lightweight, reducing strain and discomfort during prolonged use, while providing superior protection.
5. **Textile Headband:**
  - The soft, adjustable textile headband provides comfort for extended wear and ensures a snug, secure fit.
6. **Abrasion-Resistant Lens:**
  - The hard coating on the lens makes it highly resistant to scratches, maintaining clear visibility and preventing premature wear from abrasive environments.
7. **Impact & UV Protection:**
  - The lens offers high-impact resistance, protecting the eyes from debris, flying objects, and impact risks.
  - UV protection filters harmful rays, ensuring the eyes are shielded from sun exposure.
8. **Adjustable Side Headband:**
  - The adjustable side headband allows users to easily modify the fit to their preference, ensuring comfort and stability.

### **User Instructions:**

1. **Before Use:**
  - Inspect the goggles for any cracks, scratches, or defects before use.
  - Ensure the lens is clear and free of obstructions.
2. **Fitting:**
  - Adjust the textile headband using the back adjuster and side hook to achieve a comfortable and secure fit.
  - Place the goggles over your eyes and adjust the nose bridge to rest comfortably without causing pressure.
3. **During Use:**
  - Keep the goggles clean by wiping the lens with a microfiber cloth to prevent smudges and maintain clear visibility.
  - Avoid touching the inside of the lens to prevent transferring oils and dirt.
  - Do not remove the goggles in areas where liquid splashes or dust particles are present.
4. **Post Use:**
  - After use, clean the goggles with mild soap and water, ensuring they are completely dry before storing.
  - Store the goggles in a protective case when not in use to prevent scratches.

### **Applications:**

- **Furnace operation:** Pouring, Casting, hot dipping
- **Chemical industry:** Liquids, acid and chemical handling, decreasing, plating
- **Laboratory:** Chemical handling, chemical reaction (splash)
- **Mining:** Drilling, Material handling
- **Paints:** Paint spray, Mixing.
- **Pharmaceuticals:** Bulk drug, Charging application etc.
- **Ships:** Tank cleaning