

Technical Datasheet

Venus V-2427 SL-HF

Convex – Cup Seam Style



VENUS V-2427 SL-HF

CLASS: FFP2 SL

Protection: Solid Dust/ Oil Mist

Nuisance Level of HF Odour < TLV

M.U.L.: Upto 12 x OEL

Full Foam Seal

Item #	Colour	Elastic	Packaging
110260601	L. BLUE	SEWN	Pack of 10
140257401	L. BLUE	SEWN	Blister pack of 3



Technical Specifications:

- **Class:** FFP2 SL
- **Protection:** Solid Dust / Oil Mist
- **Nuisance Level:** HF (Hydrogen Fluoride) Odour < TLV
- **M.U.L:** Up to 12 × OEL
- **Full Foam Seal**
- **Colour:** Light Blue
- **Elastic:** SEWN
- **Packing:** Pack of 10 & Blister pack of 3

Features of Venus V-2427 SL-HF

1. **Protection Against Solid Dust, Oil Mist & HF Odour:** Certified FFP2 SL for filtration against solid dust, oil mist, and nuisance levels of hydrogen fluoride (< TLV).
2. **Full Foam Seal for Comfort & Secure Fit:** Full foam seal around the mask edges for a snug and comfortable fit.
3. **Convex Cup Seam Style for a Secure Fit:** Ergonomic convex cup seam design for a snug and stable fit.
4. **Aluminum Nose Clip for Leak-Proof Fit:** Adjustable aluminum nose clip for a custom fit.
5. **Elastic Sewn Head Straps for Durability & Comfort:** Strong sewn elastic head straps for secure fitting.

Benefits of Venus V-2427 SL-HF

1. **Protection Against Solid Dust, Oil Mist & HF Odour:** Provides effective protection in industrial environments with HF exposure.
2. **Full Foam Seal for Comfort & Secure Fit:** Enhances sealing, prevents air leaks, and improves long-term comfort.
3. **Convex Cup Seam Style for a Secure Fit:** Maintains filter integrity, adapts to facial movements, and provides a reliable seal.
4. **Aluminum Nose Clip for Leak-Proof Fit:** Provides a secure seal, enhances protection, and reduces eyewear fogging.
5. **Elastic Sewn Head Straps for Durability & Comfort:** Ensures durability, a firm grip, and easy wearability.

Applications of Venus V-2427 SL-HF:

1. **Chemical Manufacturing:** Hydrofluoric acid production, Fluorinated compound synthesis (e.g., Teflon, refrigerants, pharmaceuticals), Petrochemical processing
2. **Oil & Gas Industry:** Refineries using HF alkylation units (for high-octane fuel production)
3. **Glass & Ceramics:** Glass etching and frosting, Ceramic manufacturing using fluoride-based chemicals
4. **Semiconductor & Electronics:** Chip manufacturing (silicon wafer etching), Display panel production (LCD, OLED screens)
5. **Metal Processing & Mining:** Steel pickling & aluminum processing, Rare earth metal refining
6. **Pharmaceutical Industry:** Fluorinated drug synthesis
7. **Agriculture & Pesticides:** Fluoride-based pesticide and fertilizer manufacturing
8. **Laboratories & Research Facilities:** Chemical and material research involving HF
9. **Automotive Industry:** Battery manufacturing (especially for lithium-ion batteries)