

Technical Datasheet

Venus V-7800

Class 2 Gas Filters & Combined Filters with standard connection



V-7800 A1 E1 Filters



V-7800 ABEK1 Hg P3 Filters



V-7800 P3 Filters



V-7800 A2 P3 Filters



V-7800 ABEK1 P2 Filters



V-7800 P3 OV Filters

Technical Specifications:

1. **Materials:** High-quality thermoplastic elastomer (TPE).
2. **Standards:** CE-certified filters for tested performance.
3. **Test Gases & Limits:** Tested for gases like cyclohexane, ammonia, chlorine; MUL: 1000 ppm, 30x OEL, or 10x OEL.
4. **Accessories:** Exhalation valve, head harness, pre-filter retainers available.
5. **Compatibility:** Works with V-800 Half Face Mask and V-668 & V-667 Full Face Mask.

Features of Venus V-7800 filters:

1. **Dual Filter System:** Threaded cartridges for easy replacement.
2. **Multiple Filter Types:** Filters for organic vapors, acid gases, and particulates.
3. **Certified Standards:** CE-certified filters with tested performance for specific gases and particulates.
4. **Size Options:** Masks available in Small, Medium, and Large.
5. **Lightweight and Durable Material:** Thermoplastic elastomer (TPE) construction.
6. **Accessories and Spare Parts:** Replaceable exhalation valves, head harnesses, and pre-filter retainers.







Benefits of Venus V-7800 filters:

1. **Dual Filter System:** Simplifies filter changes, ensuring convenience and uninterrupted protection.
2. **Multiple Filter Types:** Provides versatile protection across diverse hazardous environments.
3. **Certified Standards:** Guarantees reliable safety and compliance with regulatory requirements.
4. **Size Options:** Ensures a secure and comfortable fit for all users.
5. **Lightweight and Durable Material:** Increases comfort during prolonged use without compromising durability.
6. **Accessories and Spare Parts:** Extends product life and reduces replacement costs.

User Instructions for Venus V-7800 filters:

1. **Selection:** Choose the appropriate filter based on hazard type and color coding.
2. **Compatibility:** Ensure the filter is attached to a VENUS Full Face Mask or PAPR with a standard 40mm thread connection.
3. **Inspection:** Check the filter for damages or expiration before use.
4. **Usage:** Install securely and ensure a proper seal to avoid leaks.
5. **Storage:** Store filters in a clean, dry place away from contaminants.
6. **Replacement:** Replace filters when breathing resistance increases or after recommended usage limits.

Venus Gas Filters and Particle Filters Pair-Wise Used in Connection with Venus V-800 Half Face Mask and V-668 & V-667 Full Face Masks

Filter	Hazard type	Examples	Maximum Use Level	Colour Code
V-7800 A2 P3	Organic Vapour + Particle filter	Solvents such as Cyclohexane (C ₆ H ₁₂)	5000 ppm or 30 X OEL whichever is lower	
V-7800 ABEK1 P2	OV/IO/AG/AM + Particle filter	Cyclohexane (C ₆ H ₁₂), Chlorine (Cl ₂), Hydrogen Sulphide (H ₂ S), Hydrogen Cyanide (HCN), Sulphur Dioxide (SO ₂), Ammonia (NH ₃)	1000 ppm or 10 X OEL whichever is lower	
V-7800 ABEK1 Hg P3	OV/IO/AG/AM + Particle filter	Cyclohexane (C ₆ H ₁₂), Chlorine (Cl ₂), Hydrogen Sulphide (H ₂ S), Hydrogen Cyanide (HCN), Sulphur Dioxide (SO ₂), Ammonia (NH ₃), Mercury (Hg)	1000 ppm or 30 X OEL whichever is lower	
V-7800 A1 E1	OV/AG	Carbon Tetrachloride (CCl ₄), Sulphur Dioxide (SO ₂)	1000 ppm or 30 X OEL whichever is lower	
V-7800 P3	Particle filter	Non highly volatile liquid/Solid Particles	30 X OEL	
V-7800 B1	AM	Ammonia (NH ₃)	1000 ppm or 30 X OEL whichever is lower	
V-7800 A2 P3	OV + Particle filter	Cyclohexane (C ₆ H ₁₂) with HEPA	5000 ppm or 30 X OEL whichever is lower	