

PRODUCT OVERVIEW

The VIDAFOR Full Face Respirator is an air-purifying respiratory protection system designed to safeguard the user's face, eyes, and respiratory tract from hazardous substances.

The mask features a lightweight silicone body for enhanced comfort and sealing, combined with a wide-field anti-fog visor for improved visibility including toxic gases, fumes, biological agents, and airborne contaminants. Its dual-cartridge, low-profile design ensures reduced breathing resistance and balanced weight distribution during extended use.

Designed for industrial, emergency, and professional applications, the respirator provides reliable protection in environments where air quality is compromised but oxygen levels remain sufficient.

KEY FEATURES

- Full face protection (eyes, face, respiratory system)
- Silicone mask body for secure seal and comfort
- Dual low-profile filter cartridges
- Wide field of vision with anti-fog visor
- Low breathing resistance design
- 5-point adjustable head harness
- Reusable and washable main body

APPLICATIONS

- Chemical and petrochemical industries
- Pharmaceutical manufacturing
- Painting and coating operations
- Gas processing facilities
- Emergency response and civil protection
- Industrial safety environments

TECHNICAL SPECIFICATIONS

Parameter	Specification
Mask Type	Full Face, Air Purifying Respirator
Mask Material	Silicone
Visor Material	Polycarbonate
Weight	Approx. 500 g
Head Harness	5-point adjustable
Connector Type	Bayonet
Cartridge Type	Dual cartridge



BREATHING PERFORMANCE

- Inspiratory Resistance: ≤ 50 Pa (30 L/min); ≤ 150 Pa (85 L/min)
- Expiratory Resistance: ≤ 300 Pa (160 L/min)
- Mask Leakage Rate: $< 2\%$

FIELD OF VISION

- Total Field of View: $\geq 88\%$
- Binocular Field of View: $\geq 82\%$
- Downward Field of View: $\geq 66^\circ$

OPERATING CONDITIONS

- Working Temperature: -40°C to $+40^\circ\text{C}$
- Suitable Oxygen Level: $\geq 19.5\%$
- Max Toxic Gas Concentration: $< 1\%$

USAGE & LIMITATIONS

- Replace cartridges immediately if odor is detected, breathing resistance increases, or filters show discoloration
- Not suitable for oxygen-deficient environments
- Not suitable for confined spaces
- Not suitable for high concentrations of toxic gases