



Breathable  
Polypropylene  
Material



Soft Fabric



Multi Layer  
Protection



Electrostatically  
Charged



Hypoallergenic  
Soft Headband



Universal Siz



# FFP1S Disposable Face Respirator with Headbands and Exhalation Valve

**SKU: RFH01+**

## Key Features

One-way exhalation valve enhances breathability.

Multi-layer protection against airborne particles.

Comfortable headbands for a snug and secure fit.

Water-repellent and sweat-absorbent fabric layers.

Designed for prolonged, dry, and irritation-free wear.

## Certification:

ISI 9473:2002 CM/L-8300137209



## Description

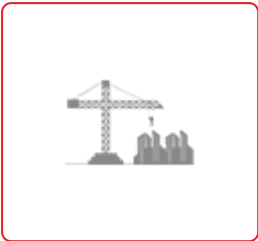
The KARAM RFH01+ features a precision-built exhalation valve that promotes smooth airflow while maintaining robust filtration. It captures airborne particles like dust, bacteria, and viruses while keeping users comfortable during long shifts. The secure headbands offer a snug fit, and the ergonomic structure makes it perfect for all-day wear. Designed for up to 12 hours of use, this respirator is suitable for high-risk environments where safety and breathability are essential.

**Warranty:** 1 year from the date of invoice against any manufacturing defects.

Ideal for use



Painting



Construction



Maintenance



Agriculture



Pharmaceuticals



Drilling



Mining and  
Quarrying



Petrochemical



Textile



Wood  
Industries

## Performance Requirements Tested as Per Various



| <b>Vital Test</b>                                                      | <b>Requirement as per Standard</b>                                                                                                                                                                                                                                                | <b>KARAM Respirator</b>                                                                        |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Particulate Filtering Efficiency (Clause 5.4.2 of IS 9473:2002)        | Requirement as per standard- 80%                                                                                                                                                                                                                                                  | Exceeds 90%                                                                                    |
| Breathing Resistance (Clause 5.11 of IS 9473:2002)                     | <ul style="list-style-type: none"> <li>Inhalation Flow- 30 l/min: Should be less than 0.6 mbar</li> <li>Inhalation Flow- 95 l/min: Should be less than 2.1 mbar</li> <li>Exhalation Flow- 160 l/min: Should be less than 3.0 mbar</li> </ul>                                      | <ul style="list-style-type: none"> <li>0.4 mbar</li> <li>1.2 mbar</li> <li>1.2 mbar</li> </ul> |
| Total Inward Leakage (Clause 5.4.1 of IS 9473:2002)                    | <ul style="list-style-type: none"> <li>The arithmetic mean of the total inward leakage of at least 8 out of 10 subjects should not be greater than 22%</li> <li>The arithmetic mean of the total inward leakage of at least 46 subjects should not be greater than 25%</li> </ul> | <ul style="list-style-type: none"> <li>2.78%</li> <li>3.58%</li> </ul>                         |
| CO <sub>2</sub> Content of Inhalation Air (Clause 5.7 of IS 9473:2002) | Carbon dioxide content of the inhalation air (dead space) should not exceed an average of 1% (by vol.)                                                                                                                                                                            | < 0.4%                                                                                         |
| Flammability (Clause 5.6 of IS 9473:2002)                              | The face mask when subject to pass the flame once at the specified speed should not continue to burn after removal of flame                                                                                                                                                       | KARAM Respirator does not continue to burn after removal of flame                              |
| Bacterial Filtering Efficiency                                         | Bacterial filtering efficiency should be >90%                                                                                                                                                                                                                                     | > 90%                                                                                          |

