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## DISPOSABLE KARAM RESPIRATORS- SELECT SERIES RF 02



Certified to IS 9473:2002

**Description:** FFP2 S disposable respirator with standard ear loops designed to filter air contaminants, viruses, bacterial micro-organisms, dust, pollen and smoke. Allows the user to breathe easy and germ free.

**Application:** Single use upto 12 hours (cumulative) in different industries and also ideal for wearing during daily activities. Industries include Agriculture, Construction, Ceramics, Textiles, Pharmaceuticals, Food and Beverages etc.

1	DESIGN		<ul style="list-style-type: none"> <li>• Wide coverage over the face.</li> <li>• Allows up to 20% more volume than other masks to relieve the user from any feeling of claustrophobia.</li> <li>• Minimizes breathing difficulties and speaking discomfort.</li> <li>• Comes with a catchy zig-zag pattern on the edge</li> </ul>
2	MATERIAL		Non-woven Polypropylene soft fabric designed to filter air contaminants, viruses and bacterial micro-organisms.
3	LAYERS	SPECIFICATIONS	Multi-layered that ensures excellent filtration.
		OUTER LAYER	Water-repellent material made of non-woven Polypropylene. Does not soak water easily when exposed to external moisture.
		SECOND AND THIRD LAYER	Double pre-filter layer of non-woven polypropylene for filter layer protection having filtering efficiency of more than 97% as per Clause 5.4.2 of IS 9473:2002.

		INNER LAYER	Made of hypoallergenic, sweat absorbent Polypropylene non-woven material, hence does not allow sweat to build up.
4	EAR LOOP		<ul style="list-style-type: none"> <li>• Soft, Elasticated Ear-loops, of width 5 mm (+/-0.2mm)</li> <li>• Hypoallergenic elasticated material that is latex-free and sweat absorbent.</li> <li>• One size fits all ears.</li> </ul>
5	NOSE CLIP		<ul style="list-style-type: none"> <li>• Internally bonded nose-clip which is not exposed.</li> <li>• Pliable yet firm and takes up the shape of the nose bridge, so as to rest on the nose comfortably.</li> <li>• Made of thermoplastic material with a metallic reinforcement inside.</li> </ul>
6	SEALING	EDGE SEALING	Ultrasonically sealed edges
		NOSE CLIP SEALING	Ultrasonically sealed Nose-clip that does not get displaced from its position.
		EAR LOOP SEALING	Ultrasonically sealed
7	ADJUSTABILITY		Universal size
8	VITAL TEST COMPLIANCE	PARTICULATE FILTERING EFFICIENCY (WHEN TESTED AS PER CLAUSE 5.4.2 OF IS 9473:2002)	Exceeds 97% when tested as per clause as against the requirement of not less than 94% as per IS standard
		BREATHING RESISTANCE (WHEN TESTED AS PER CLAUSE 5.11 OF IS 9473:2002)	<p>Inhalation Flow- 30 l/min : 0.44 mbar as against the requirement of less than 0.7 mbar.</p> <p>Inhalation Flow- 95 l/min: 1.69 mbar as against the requirement of less than 2.4 mbar.</p> <p>Exhalation Flow- 160 l/min: 2.13 mbar as against the requirement of less than 3.0 mbar.</p>
		TOTAL INWARD LEAKAGE (WHEN TESTED AS PER CLAUSE 5.4.1 OF IS 9473:2002)	<p>The arithmetic mean of the Total Inward Leakage of all 10 Subjects found is 2.05% as against the requirement of arithmetic mean of at least 8 subjects to be less than 8%.</p> <p>The arithmetic mean of the Total Inward Leakage of at least 46 Subjects found is 6.31% as against the requirement of less than 11%.</p>

9	DISPOSAL	CO <sub>2</sub> CONTENT OF INHALATION AIR (WHEN TESTED AS PER CLAUSE 5.7 OF IS 9473:2002)	Carbon dioxide content of the inhalation air (dead space) is not greater than 0.6 % percent ( by volume).
		FLAMMABILITY (WHEN TESTED AS PER CLAUSE 5.6 OF IS 9473:2002)	RF 02 when subjected to pass the flame once at the specified speed does not continue to burn after removal of flame.
		BACTERIAL FILTERING EFFICIENCY	Bacterial Filtering Efficiency greater than 90%
		GENERAL HOUSEHOLD	<ul style="list-style-type: none"> <li>• Tear the Mask completely or break atleast one of the ear loops by pulling it apart so that it cannot be reused.</li> <li>• Discard in a separate covered bin.</li> <li>• Keep the bin for at least 72 hours.</li> <li>• Give away the bin contents to a recycler.</li> </ul>
		MEDICAL STAFF	Follow hospital waste management procedures.