Technical Data Sheet

Flat Folded Three- Panel Design Respirators

AFH01 and FH01 Series

1.0 General Data

1.1 Manufacturer

Lupa Maske A.S. Minareli Cavus OSB Seftali Cd. No:31 16220 Nilufer, Bursa, TURKEY

1.2 Designation & Protection Factor (APF)

FH01P2M Folded Horizontal, Type 01, FFP2, Medium Size	10 X WEL
FH01P3M Folded Horizontal, Type 01, FFP3, Medium Size	20 X WEL
FH01P2VM Folded Horizontal, Type 01, FFP2, Valved, Medium Size	10 X WEL
FH01P3VM Folded Horizontal, Type 01, FFP3, Valved, Medium Size	20 X WEL
AFH01P2M Active Carbon, Folded Horizontal, Type 01, FFP2, Medium Size	10 X WEL
AFH01P3M Active Carbon, Folded Horizontal, Type 01, FFP3, Medium Size	20 X WEL
AFH01P2VM Active Carbon, Folded Horizontal, Type 01, FFP2, Valved, Medium Size	10 X WEL
AFH01P3VM Active Carbon, Folded Horizontal, Type 01, FFP3, Valved, Medium Size	20 X WEL
FH01P2M-B Folded Horizontal, Type 01, FFP2, Medium Size, Blue Colour	10 X WEL
FH01P3M-B Folded Horizontal, Type 01, FFP3, Medium Size, Blue Colour	20 X WEL
FH01P2VM-B Folded Horizontal, Type 01, FFP2, Valved, Medium Size, Blue Colour	10 X WEL
FH01P3VM-B Folded Horizontal, Type 01, FFP3, Valved, Medium Size, Blue Colour	20 X WEL
FH01P2M-G Folded Horizontal, Type 01, FFP2, Medium Size, Green Colour	10 X WEL
FH01P3M-G Folded Horizontal, Type 01, FFP3, Medium Size, Green Colour	20 X WEL
FH01P2VM-G Folded Horizontal, Type 01, FFP2, Valved, Medium Size, Green Colour	10 X WEL
FH01P3VM-G Folded Horizontal, Type 01, FFP3, Valved, Medium Size, Green Colour	20 X WEL

1.3 Intended Use

This product is designed to protect the wearer as a single- shift use against respiration of solid and non- volatile liquid aerosols in industrial working environment. Detailed industrial applications are at the Applications Section 4.0

1.4 Applicable Standard

EN 149:2001+A1:2009 Regulation (EU) 2016/425

1.5 Approvals

Certifications under the EU Type Examination Certificate MODULE B (Annex V) and EU Quality Assurance of the Production Process MODULE D (Annex VIII) have been issued for these products by BSI Group The Netherlands B.V., Say Building, John M. Keynesplein 9, 1066 EP, Amsterdam, Netherlands (Notified Body 2797).

Certifications under the UKCA Type Examination Certificate MODULE B (Annex V) and UKCA Quality Assurance of the Production Process MODULE D (Annex VIII) have been issued for these products by BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP, United Kingdom (Approved Body 0086).

2.0	**Design & Construction**	
2.1	**Materials ***	
		Particle Filter: Mechanical + electrostatically charged nonwoven material. Head Strap: Polypropylene and polyisoprene Valve Housing/valve: polyethylene, polyisoprene Noise clip (integrated): Aluminium *Do not contain components made form natural rubber latex.
2.2	**Construction**	
		The particle-filtering three-panel half masks FH01 series consist of several layers of nonwoven materials, some with an electrostatic charge, and the AFH01 series also has an additional nonwoven active carbon layer.
2.3	**Working Principle**	
		FH01 series: Particle filtration by combined electrostatically charged and mechanical materials. AFH01 series: Particle filtration by combined electrostatically charged material, odour filtration by activated carbon nonwoven material, and other mechanical materials.
2.4	**Shelf Life**	3 years from production date End of shelf life is marked on each mask.
2.5	**Dimensions**	FH01 series 208 mm x 86 mm x 8 mm (non-valve) / 208 mm x 86 mm x 18 mm (with valve) AFH01 series 208 mm x 86 mm x 9 mm (non-valve) / 208 mm x 86 mm x 21 mm (with valve)

3.0	**Performance Data**	(Minimum data in accordance with standard, including loading test with 120 mg paraffin oil)		
3.1	**Particle filtration efficiency (EN149)**	Test aresols and minimum efficiency:		sodium chloride; 94% FFP2, 99% FFP3 paraffin oil; 94% FFP2, 99% FFP3
3.2	**Gas filtration capacity**	Not applicable		
3.3	**Breathing resistance inhalation (EN149)**		at 30 liters/min, constant flow: at 95 liters/min, constant flow:	max.0,7 mbar FFP2 max.1,0 mbar FFP3 max.2,4 mbar FFP2 max.3,0 mbar FFP3
	Breathing resistance exhalation (EN149)		at 160 liters/min, constant flow:	max.3,0 mbar FFP2 max.3,0 mbar FFP3
3.4	**Dolomite Clogging Test**	Passed		

4.0 Recommended Applications	FH01 FFP2	AFH01 FFP2	FH01 FFP3	AFH01 FFP3
Grinding, sanding, cutting, milling, drilling, sawing, stripping	☑	☐	☐	☐
Demolishing walls, stone, concrete, cement dust, quartz dust (stonemasonry)	☑	☐	☐	☐
Wooden furniture processing.	☑	☐	☐	☐
Painting, Varnishing, Spraying, Powder Coating, Mixing	☑	☑	☐	☐
Plant retrofitting and filter cleaning	☑	☐	☐	☐
Flour dust (food industry)	☑	☐	☐	☐
Paper dust (printing)	☑	☐	☐	☐
Laying insulation material (e.g. fibreglass)	☑	☐	☐	☐
Fine coal particles in power plants	☑	☐	☐	☐
Mining / Tunnelling, Drilling, Grinding, Excavation	☑	☐	☐	☐
Battery production	☐	☐	☑	☑
Metal working / Foundries , soldering, welding, casting	☑	☑	☐	☐
Sewage treatment	☐	☑	☐	☐
Resin and adhesive processing (with sufficient ventilation)	☐	☑	☐	☐
Applying pesticides (particles)	☐	☐	☐	☑
Cleaning / Disinfection, Cleaning	☑	☑	☐	☐
Light facade maintenance	☑	☐	☐	☐
Infectious agents (contact with blood)	☐	☐	☑	☐
Cooling lubricants (pressing, drawing, drilling)	☑	☐	☐	☐
Refuse separation, recycling (bacteria, spores, odours)	☑	☑	☐	☐
Cytostatics (cancer therapy)	☐	☐	☑	☐
Hospitals/emergency medical assistance	☐	☐	☑	☐
Airborne influenza infections (medical staff, work with coughing patients, bronchoscopies, intubation and suction)	☑	☐	☐	☐
Agricultural and forestry	☑	☑	☐	☐
Solvent-Based - brush / roller applied Solvent-Based - spray applied Water-Based - brush / roller / spray applied Wood Preservatives	☐	☐	☐	☑
Mould / Fungus, Bacteria**, Viruses **Tuberculosis	☐	☐	☑	☐
Asbestos: shorter periods of work, taking samples Work with fungal spores, bacteria and powder Radioactive particles	☐	☐	☑	☐

5.0	**Documentation**	
5.1	**Marking**	Label: markings in accordance with EN 149:2001 + A1:2009, expiry date,producer and lot number. Approval marking: CE 2797 , UKCA 0086
5.2	**Instructions for use**	Each packaging unit of mask as box is accompanied by an instruction for use

6.0	**Packing & Packaging**	
6.1	**Packing**	Each mask is packed hygienically in a single plastic bag in the clean room has ISO 8 standard.
6.2	**Packing Units**	
	Box and size	Both FH01 and AFH01 series without valve, 20 pcs. Each box. 270 mm x 100 mm x 200 mm
		Both FH01 and AFH01 series with valve, 12 pcs. Each box. 270 mm x 100 mm x 200 mm
6.3	**Parcel Unit**	Both FH01 and AFH01 series without valve, 480 pcs. Each parcel. 380 mm x 750 mm x 410 mm
		Both FH01 and AFH01 series with valve, 288 pcs. Each parcel. 380 mm x 750 mm x 410 mm

7.0	**User notes and limitations**	Lupa Maske A.S. guarantees the performance indicated by the class and type of the filter it is marked with. This shold be taken in to consideration, laboratory values differ from those can be measured in practise. The user must read and understand the instructions for use. Respiratory protection is only effective if it is correctly selected, fitted and worn throughout the time when the wearer is exposed to hazards. Further information on request can be provided by Lupa Maske AS in need.

Important Notice

Lupa Mask accepts no liability for any possible harm or damage which may result from this information.
This data sheet does not replace a detailed risk assessment nor seeking specialist advice.