



 **DESMANIA**

AARMR
FREE TO BE

Protective Face Gear



Lightweight



D-Fog technology



Anti-pollution



Re-Usable



Nano-Technology
filter



Airy and comfortable



AARMR CERTIFICATIONS



**ADVANCE
FILTERED
EXHALATION**



20IQFE61
01/11/2023



20IMFC78
01/11/2023



EPCI-NIOSH-2529
01/11/2021

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1. Welcome Aboard AARMR

Congratulations on being a proud owner of AARMR Protective Face Gear!

AARMR has been designed and made in India, keeping in view the changing needs of mankind.

The design has been well articulated for protection, comfort and style.

We are sure you will love the experience of wearing AARMR.

It will give you a new found freedom in the challenging times.

Enjoy AARMR and do give us your feedback for concurrent improvement.

2. Contents in Box



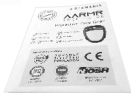
Mask



D-Fog Solution



Cleaning Cloth



User Manual



Spare Filter Cartridge (8 pcs.)

3. About AARMR

AARMR is an outcome of agile product development, emanating out of design thinking from highly experienced and creative team of designers. AARMR has been designed to combine a face mask, face mask and googles to provide comprehensive protection to you: from infection, pollution and injury.

AARMR provides face recognition because we feel that a smile is worth millions of rupees.

The design ensures full face visibility.

AARMR has scientifically designed air passage for ease in breathing and is spacious enough to make you feel free & comfortable.

We have chosen the appropriate filters for **XtraSafe** and **XtraComfort** experience.

AARMR reduces your carbon footprint by being a durable, with no disposal.

To prevent fogging, our D-Fog lotion needs to be applied, as and when required, on the inner side of the transparent Mask.

AARMR: FREE TO BE.

Wear AARMR, wear confidence and get back your freedom!!

AARMR™

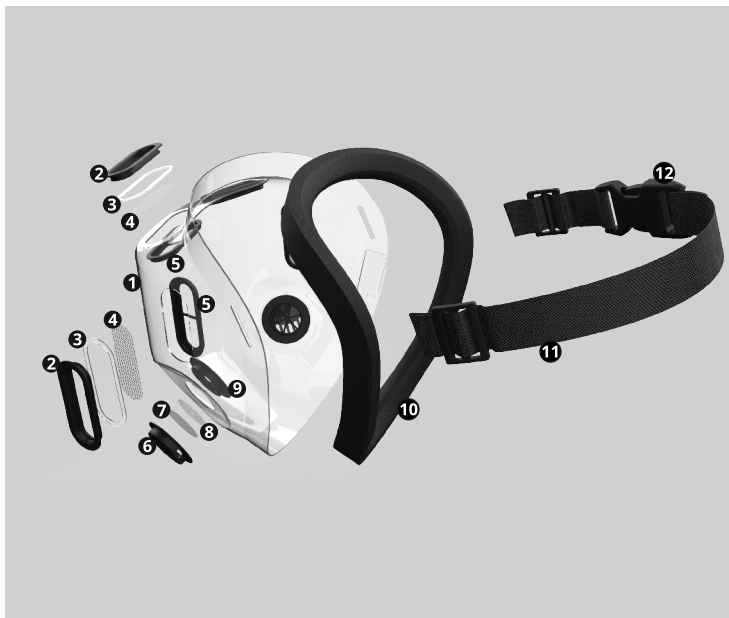
Full-face Protective Gear

Work • Travel • Liesure

The one-of-its-kind protective gear designed and developed in Desmania, a response to the present time. A transparent full-face Mask that offers a fine blend of protection, comfort and style.



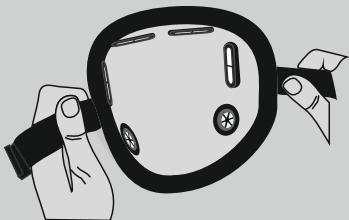
4. How's your Mask made



- | | |
|--------------------------------|--|
| 1. Transparent Mask | 7. NRV Membrane |
| 2. Filter Cover | 8. Nano Filter |
| 3. Silicon Gasket | 9. NRV Holder |
| 4. Filter (Nanotech/Nanosurge) | 10. Antimicrobial Comfortable
Foam Gasket |
| 5. Filter Housing | 11. Elastic Strap |
| 6. NRV Cover | 12. Buckle |

5. How to Wear

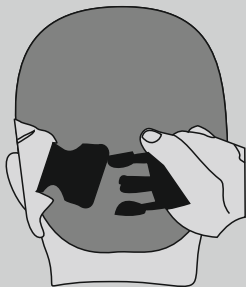
- For best safety, Mask should be worn in a manner the foam is properly in contact with the face.



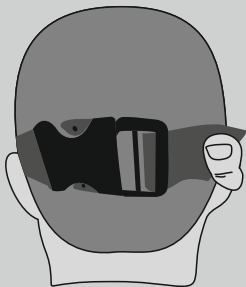
Hold the Mask with both hand



Place on face to cover the full face



Hold the buckle from both side



Click fit the buckle to tighten the Mask

Mask will fit on face like shown in picture



6. How to Sanitize/Clean the Mask

Fill Mask with solution of water and mild soap.

Wash inside with soap water.

Rinse/ dry with clean water and soft cloth.

Drying time of Mask is 45 to 60 minutes in normal environment.

After every wash / cleaning Mask need to be coated with D-Fog solution.

Do's

- Always rinse the Mask with water before wiping or cleaning it- dry. Dust particles can damage the surface and reduce clarity.

Don't's

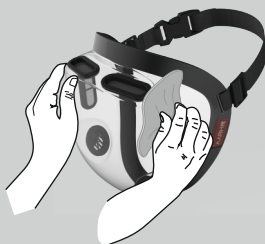
- Avoid scrubbing the Mask
- Do not leave exposed in bright sunlight for drying
- Do not use hard powders
- Don't use scrubbing Mask
- Don't use alcohol/sanitizer on the Mask

Cleaning instructions

Fill soap water in the Mask and clean gently



Clean gently with soft cloth inside



Rinse/dry with clean water and soft cloth

7. How to D-Fog

- Wipe with clean, dry cloth. Ensure Mask is completely dry.
- Apply AARMR D-Fog solution on Mask with clean cloth.
- Rub gently till solution is dry.
- Wipe off any dried particles and rubbing marks with dry cloth.

D-Fog instructions

Wipe with clean, dry cloth.
Ensure Mask is completely dry



Take an optimum amount of
AARMR D-Fog solution on soft cloth



Apply AARMR D-Fog solution
on inside of Mask with clean cloth.
Rub gently till solution is dry

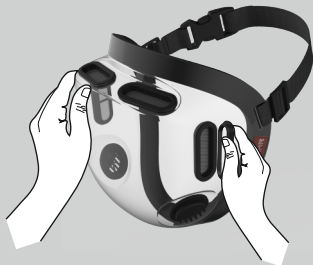


8. How to Replace the filters

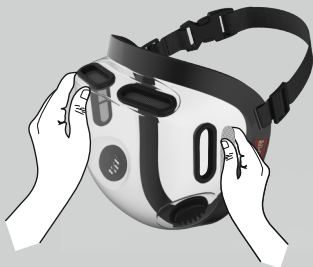
Hold the Mask in a hand and pull the filter holder or NRV cover using other hand to open the filter. Then remove the old filter and place a new filter.



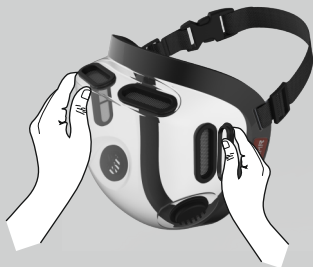
Hold the Mask in hand



Remove the filter housing
from inside of Mask



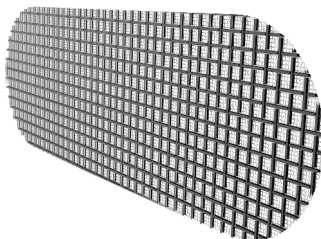
Replace the filter from filter housing



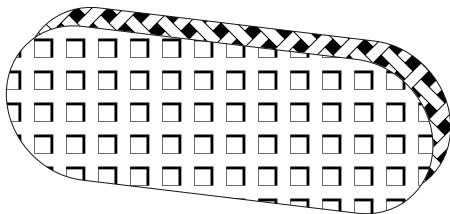
Fit the housing back with
gasket and filter

9. Filter Specifications

MODEL NO.	MASK TYPE	MATERIAL	FILTER	BFE*	PFE*
FULL FACE MASK-SL	XTRAc comfort	Transparent PET	NANO Tech	-	93% @10 μ m
FULL FACE MASK-DL	XTRAsafe	Transparent PET	NANO Surge	97%	98.9% @0.3 μ m
DELIVERY MASK-SL	XTRAc comfort	Transparent PET	NANO Tech	-	93% @10 μ m
DELIVERY MASK-DL	XTRAsafe	Transparent PET	NANO Surge	97%	98.9% @0.3 μ m

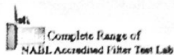


NanoTECH filter



NanoSURGE filter

Nano Tech Filter (PFE Report)



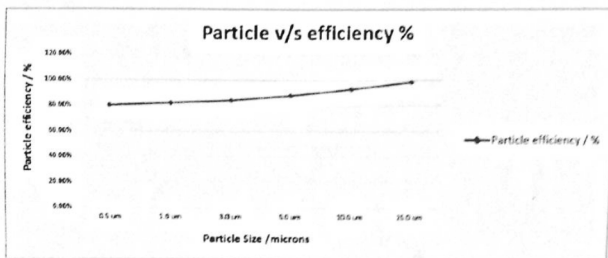
A-36, Shakti Vihar, Geeta Mandir Road, Mohan Garden, Uttam Nagar, New Delhi-59 (India)

Call: +91 9811078870, 09811958705, Tel: +91-9773565206

E-mail: sales@testmaster1.com, filtertestlab1@gmail.com, www.testmaster1.com

Test Report


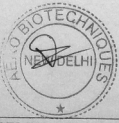
Graph for Particle size v/s Efficiency




Data of Particle size v/s Efficiency

NCG Window Net Filter Media			
Particle Analysis Data			
Particle Size /microns	Upstream /microns	Downstream /microns	Particle Efficiency %
0.5 um	17976140	3575454	80.11%
1.0 um	18559500	3338854	82.01%
3.0 um	5143780	823005	84.00%
5.0 um	3579920	418851	88.30%
10.0 um	2254820	153328	93.20%
25.0 um	9260000	134270	98.55%

Nano Surge Filter (PFE Report)

TEST REPORT FOR MASK - FILTER MEDIA TEST				
CLIENT NAME & ADDRESS	DESMANIA 330, Sector 8, IMT Manesar, Gurgaon 122 052, India			
TEST EQUIPMENT USED	LASAIR III PARTICLE COUNTER 0.3-25 MICRON			
REPORT #	ABT-MASK002-260620			
DATE	2ND JULY 2020			
TEST PROCEDURE USED	FILTER MEDIA SUBJECTED TO 1 CFM PRESSURE ISOKINETIC FILTER PAPER HOLDING PROBE USED REFERENCE READING OBTAINED USING PARTICLE FEEDER			
MEDIA	SIZE(µ)	REFERENCE DATA (COUNTS) (WITHOUT FILTER PAPER)	AVG. COMMULATIVE DATA (WITH SINGLE LAYER FILTER PAPER)	EFFICIENCY(%) OF SINGLE LAYER
NET MEDIA 2 (DOUBLE LAYERED WITH WHITE MEDIA)	0.3	100300000	1601914	98.40
	0.5	8212280	9075	99.89
	1	4626168	4396	99.90
	5	2212106	1985	99.91
	10	82780	142	99.83
	25	10701	0	100.00
Test Performed By: LALIT SINGH			Authorized By: VIPUL CHADHA	
Sign: 			Sign: 	
AERO BIOTECHNIQUES, NEW DELHI				

Nano Surge Filter (BFE Report)



APEX TESTING AND RESEARCH LABORATORY

APEX LAB

9/50, Kirti Nagar, Industrial Area, New Delhi-110015
E-mail : info.apex2015@gmail.com,
apextesting_researchlab2015@gmail.com
Website : www.abrl.in, Tel. : 011-47081611, +91-8376945025
ISO 9001:2015 | ISO 14001:2015
ISO 45001:2018 Certified | Govt. Approved Lab

TEST REPORT

Issued To : M/s.Permionics Membranes Pvt. Ltd.
: E-1, E-2 BDC, Gorwa Industrial Area
: Vadodara-390016

Nature of the Sample : Fabric Sample
Customer Ref. No : N.S
Brand Name : N.S
Sample Drawn By : Party
Batch No. : N.S
Mfg. Date : N.S

Report /Sample No. : AS1520200623004
Date Of Receipt : 23.06.2020
Date of Issue : 25.06.2020
Test Started On : 23.06.2020
Test Completed on : 25.06.2020
Sample Quantity : 2 sq mtr.
Sample Pkg. : N.S
Best Before Date : N.S
Any Other Information : N.S


Sr. No	Test Parameters	Unit	Test Result	Test Method
1.	Bacterial Filtration Efficiency	%	97.40	IS:16288:2014

Summary: The BFE test is performed to determine the filtration efficiency of test article compared to the bacterial counts. A suspension of Staphylococcus aureus NCIM2127 was aerosolized onto the test article at a constant flow rate. The challenged delivery is maintained at $3.0-3.9 \times 10^5$ colony forming units with mean particle size of $3.0 \mu m \pm 0.3 \mu m$. The procedure shows reproducible bacterial challenge to be delivered to the test materials.

Note-The above report is concerned only to the samples submitted by the customer to Apex Testing and Research Laboratory. These results may not be indicative of the results of bulk lot. It is the duty of the supplier/Customer to maintain the traceability between the sample submitted for testing and the bulk lot supplied.

This report is generated to let the customer know about the quality of their product and to help them improve their product's quality.

APEX LAB



End of Report

10. How to Care

Do's

- Store in dust free environment with vision piece facing upwards.
- While cleaning the product, please ensure that your hands are clean and germ free.
- To prevent damage the Mask must be handled carefully, especially when cleaning or replacing filters.
- Use soap water for cleaning.

Don't's

- Do not store Mask along with sharp metal objects like keys/coins.
- Do not use alcohol/sanitizer for cleaning.
- Do not drop of the Mask from a height. This may cause scratches.
- Do not use any solutions other than those recommended.
- Do not keep your product in hot surroundings like flame, near a stove.
- Do Not use any abrasive cleaners or tools (like wire brush or steel wool) to clean the Mask.



11. FAQs (Most frequently asked questions)

a. What is Nanotech and Nanosurge?

Nanotech is a nanotechnology based filter with a Particle Filtration Efficiency (PFE)* of 93% @ 10 microns.

Nanosurge consists of two layers. Nanotechnology based filtration layer and a smart washable polymer having a combined Bacterial Filtration Efficiency (BFE)* of 97% and a Particle Filtration Efficiency (PFE)* of 98.9% @ 0.3 microns.

b. What is the difference between the Nanotech and Nanosurge filters?

Nanotech is a single layered filter suitable for use in areas such as offices, malls, public spaces. Nanosurge is a double layered filter that is suitable for use in spaces with high risk of contamination such as hospitals, dental clinics, etc.

c. What is the life durability of the filter?

Recommended life of the filter is 6 months.

Note: Please replace in case of damage.

d. Is the mask suitable for medical use?

Recommended for use with nano-surge filters with additional protective mask worn inside.

e. Are the materials in the Mask safe to use?

All materials use in the Mask are non-toxic are safe to use.

f. What to do in case of condensation inside the Mask?

Please follow the directions to apply de-fogging solution on the inside of the Mask.

g. How frequently do the filters need to be washed?

Recommended- once in two days- but can be washed more or less frequently based on conditions of use.

h. Does the AARMR protective gear need to be worn at all times with an additional mask inside?

The fitment of the mask varies depending on face type hence it is recommended to wear an additional face mask for extra precaution. User discretion advised.

I. Can MEDEX be used in an Operation theater?

It is suitable for use in an operation theater provided there is no difficulty or distortion in vision. In case of distortion or difficulty of vision, usage is not recommended.

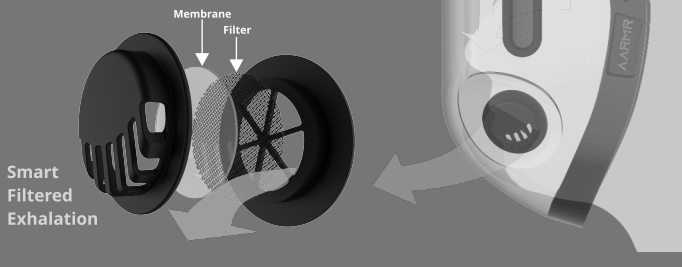
j. If used with spectacles? will the spectacles get foggy?

The spectacles can get foggy depending on the conditions of use. It is hence recommended to apply the provided De Fog lotion on both mask and spectacles.

High Breathability & Comfort

The combination of Nanotech air intake filters at the top of the mask and NRV's at the bottom create air-flow across the forehead. This is designed keeping in mind Indian climactic conditions of heat and humidity. The forehead is the part of the face especially susceptible to perspiration. When air is drawn-in through the nose a stream of air is created across the forehead by means of the vents - this helps provide thermal comfort to the face without the need for any mechanical ventilation.

The mask touches the face only through the seal. Thus, unlike other fabric masks that hug the face and create discomfort over long periods, this design ensures a good level of comfort because the face does not touch the mask and the D-Fog design ensures air flow across the skin.



* Based on test reports from recognized labs. Liable to change/improve in future.

Designed for CLARITY

Mask geometry is designed to accommodate spectacles and other eyewear like protective goggles, 3D film glasses.



Intelligently designed to protect

The design of the mask with the location of filters on the top and sides provides dependable protection from any communication, of aerosol contaminant, that might occur during conversation.



12. Safety Warning


- Not recommended to be worn during intense physical activity i.e. running/ jogging/ brisk walking as it can be injurious to health.
- If removed for cleaning, please ensure that filters are fitted back tightly.
- The peripheral vision of this Mask is limited. Not recommended for use during driving.
- Recommended caution during ascending and descending stairs because of distortion in lower peripheral vision.
- Please remove the Mask in case of experiencing any breathlessness or dizziness.
- Upon wearing the Mask, user might take about 20 to 30 minutes to get acclimatized to it.
- Do not wear the Mask in rain un-protected (without umbrella) the Mask does not restrict the entry of water.

Designed and Manufactured by

Desmania Design Pvt. Ltd

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Gurugram-122052, Haryana, India



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