

IM76///

**FACING THE
FUTURE OF
CBRN
DEFENSE**



SUPERGUM///

IM76

Designed to meet
challenges and withstand
extreme conditions like
never before



BREATH SAFELY



SEE CLEARLY



COMMUNICATE EASILY



MOVE NATURALLY

CE



HIGHLIGHTS

- Speech membrane – to enhance voice communication.
- Embedded communication system – modular com sys. Adapted for customer request on order.
- Polycarbonate ballistic unglued panoramic visor to see and be seen. (can be replaced easily according to needs)
- Extra Protection visor, for ballistic/radiation/UV incorporated on the mask.
- Optical eyewear possibility.
- Drinking system interface embedded in the mask + drinking tube.
- Liquid discharge drainage system "dry and fit".
- Optional 3 filters connection – right ** left ** right+left ** center ** center+right+left , to be choose by the end user.
- Meaning: if left filter opened, other sides will be sealed and so on. Possible to change by end user.
- Anthropometric size adjustment for various end users compatibilities. (Size M is compatible to 80% of population)
- Harness system – rubber or rubber + textile - for reusable purposes (after using the mask in a contaminated area, the rubber harness can be decontaminated and reused)

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PATENTED PANORAMIC VISOR



Advanced and patented panoramic visor system with ballistic + anti-fog + anti-glare + anti-flash visors. Internal optical visors for eye glasses users.



MULTY FEATURED INTERFACE



Mouth-nose cup provides efficient breathing and ventilation without compromising clear vision.

A voice membrane interface allows communication with team members.

Communication system includes inner microphone unit and outgoing connector to communication devices (radio / electronic / cellular / Bluetooth)

A drinking tube allows for safe refreshment without having to remove the mask.

An exhaust system to drain fluids (sweat and saliva) prevents body fluids from accumulating in the mask.

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VERSATILE FILTER ATTACHMENTS

Modular filter assembly according to your needs: front, left or right side. You can also increase airflow from 2 sides together for even easier breathing and better ventilation.



ANTHROPOMORPHIC DESIGN

The mask effortlessly fits and seals all facial structures and genders thus making it especially comfortable to wear and remove.

6 harnessing points keep the mask in place, stabilizing it on the head, allowing tighter and safer sealing.

Light, easy to wear and carry.



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IM76 Technical Data			
CBRN Agent	Standard	IM76-Center port	IM76-Sides port
- MUSTARD (HD) - SARIN {GB} - SOMAN {GD} - VX	MIL-STD 282 method 204.1.2	> 12 hours	
		✓ TBD	
		✓ TBD	
		✓ TBD	
LABORATORY PROTECTION FACTOR (DOP)	EN-136 Class 3	> 10,000	
Weight			
IM-76 (WITHOUT FILTER UNIT) WITH HARNESS		< 600gr (textile harness)	<650gr (textile harness)
Breathing Performance			
Re-breath CO ₂	EN-136 Class 3	≤ 1%	≤ 0.8%
Inhalation Resistance at:		Mask only	Mask only
30 L/H	EN-136 Class 3	≤ 0.5 mbar	≤ 0.5 mbar
95 L/H	EN-136 Class 3	≤ 1.5 mbar	≤ 1.5 mbar
160 L/H	EN-136 Class 3	≤3 mbar	≤3 mbar
Exhalation Resistant at:			
85 L/H		NO DATA	
160 L/H	EN-136 Class 3	≤3 mbar	
FIELD OF VIEW			
FIELD OF VIEW effective field of vision	EN-136 Class 3	>80%	
OPTICAL SPECIFICATION			
Transmittance	ANSI Z 87.1:2015	90%	
Spherical power	EN166 Class 1	±0.01 (requirement ±0.06) m^{-1}	
Astigmatic power	EN166 Class 1	< 0.04 (requirement 0.06) m^{-1}	
Prismatic power	AS/NZS 1337.1:2010	< 0.05 (requirement 0.25) cm/m	
BALLISTIC			
BALLISTIC PREFORMENCE Visor only	MIL-STD-662E	V50.... >186 m/sec (requirement 170 m/sec)	
BALLISTIC PREFORMENCE with Protection Visor	MIL-STD-662E	V50.... >250 m/sec (requirement 170 m/sec)	
COMFORT		3 SIZES OF MASKS INCLUDING COHERENT FACE PIECE FOR EACH SIZE:	
ANTHROPOMETRIC		- Small - Medium - Large	
INNOVATION			
SPEECH MEMBRANE		Optimal Speech membrane for verbal communication.	
DRINKING UNIT		Flexible sealed drinking system for use in hazardous environment	
VISOR		Panoramic optical Visor, Mechanical Fastening method Non-oval shape.	
LIQUID DRAINAGE DISCHARGE		Exhaust valve located at the bottom of the mask for optimal Sweat and fluid drainage	
INTERFACE PLATFORM		Multi-interface platform, Central CBRN filter connection 1. Exhaust valve for liquid drainage 2. Inlet filter opening 3. Drinking unit 4. Membrane for verbal communication	

		5. Mic & communication unit (optional)
RECOMMENDED INDUSTRY		CIVILIAN, SURVIVALS, ARMY, INDUSTRIAL, FIRST RESPONDERS
HARNESS INTERFACE		FOR MAXIMIZE CBRN SEALING
TEXTILE		Comfortable and light 6-point contact Harness Flat connectors for adjustment with Combat helmet
RUBBER		Easy to sanitize 6-point contact Harness Flat connectors for adjustment with Combat helmet
ADD-ONS		OPTIONAL
MIC & COMMUNICATION UNIT		Universal mic unit connection for Radio communication
DRINKING SYSTEM		Connection to an external drinking system
EYEGLASSES		Optional for assembling an optical Eyeglasses inside the body mask
PROTECTION VISOR		Additional ballistic protection visor to MIL-STD-662E Optional UV / Radiation filtering

Catalog numbers 019006000, plus extension letters for size, port position and harness as shown in table

Versions	Extension letter
Medium Size	M
Front position only	F
Right and front position (interchangeable)	R
Left and front position (interchangeable)	L
Two sides and front (interchangeable)	T
Rubber harness	RH
Textile harness	TH

For ordering the suitable configuration, please state the designated extension letters on the order code after the main Part number of the IM76.

Catalog numbers for accessories or spare parts

Head harness (Rubber) 019006618

Head harness (Textile) 019006630

Frame and adapter for corrective eyewear (corrective glasses will not be supplied) 019006602

Protection visor 019006609

Tool key 019006606

Textile bag 019006631

IM76///

Supergum is a leading manufacturer of CBRN protective solutions including an innovative range of professional gas masks and respirators for different sectors. Our personal protective equipment (PPE) is relied upon by the defence & military sector, in many hazardous work environments, and by medical teams and first responders

Over 4 decades supplying CBRN equipment for the Israeli defense forces, the US government, and military and health institutions worldwide.

- Our products protect millions of civilians in Israel and worldwide.
- All our products meet international regulation and standards
- All our products are modular and can be tailored according to preferences and regulation needs
- Order directly from the manufacturer

BE STRONG. BE BOLD. BE SAFE

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