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PERSONAL, PROTECTIVE EQUIPMENT, GAS MASKS & CANISTERS



MAKİNE VE KİMYA
ENDÜSTRİSİ







PERSONAL, PROTECTIVE EQUIPMENT,
GAS MASKS & CANISTERS

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ABOUT US

With nearly a century of experience, we meet the needs of our customers through the production of military and civilian gas masks that comply with NATO standards and provide high-level protection against CBRN (Chemical, Biological, Radiological, and Nuclear) threats and chemical warfare agents.



NEW GENERATION CBRN GAS MASK

MKE-NEFES



MKE-NEFES

MKE-NEFES	
Standard Number	TS8861
Protection	Designed for use by military, civil defense, police and emegency personal in toxic enviroments, potentially contaminated with Chemical, Biological, Radiological and Nucleer (CBRN) agents.
Material	Natural rubber / Butyl rubber
Weight	550-600 g
Use of Canister	Can be plug right or left
Assembly of Canister	It is suitable to be used with any gas mask via a connection screw compliant with TS EN 148-1 standard, quality of their respiration resistance and other features are compliant with the NATO and European Standards.
Temperature Test (°C)	-30 ± 2 / +50 ± 2
Glass and Sound Features	Panoramic polycarbonat glass with antistratch, antifog and high impact strength features. Provides easy sound transmission.
Head Strap	Butyl / Natural, six point harness.
Shelf Life	10 years
Impermeability	CBRN Gas tests and flow resistance tests
Visual Field	Double ocular visual field angle: Min. %20
	Vertical visual field angle: Min. %50
	Horizontal visual field angle: Min. %80
Size	Small, Medium, Large
Gas Mask and Canister Bag and Packing	It is designed to carry 1 gas mask and 2 canister with vacuum package and waterproof (Cordura®) bag.
Drinking Tube System	Available
Electronic Sound Amplifier	Optionally
Military Radio Connection Set	Optionally
Protective Visor	Optionally
Inner Glasses Equipment	Optionally



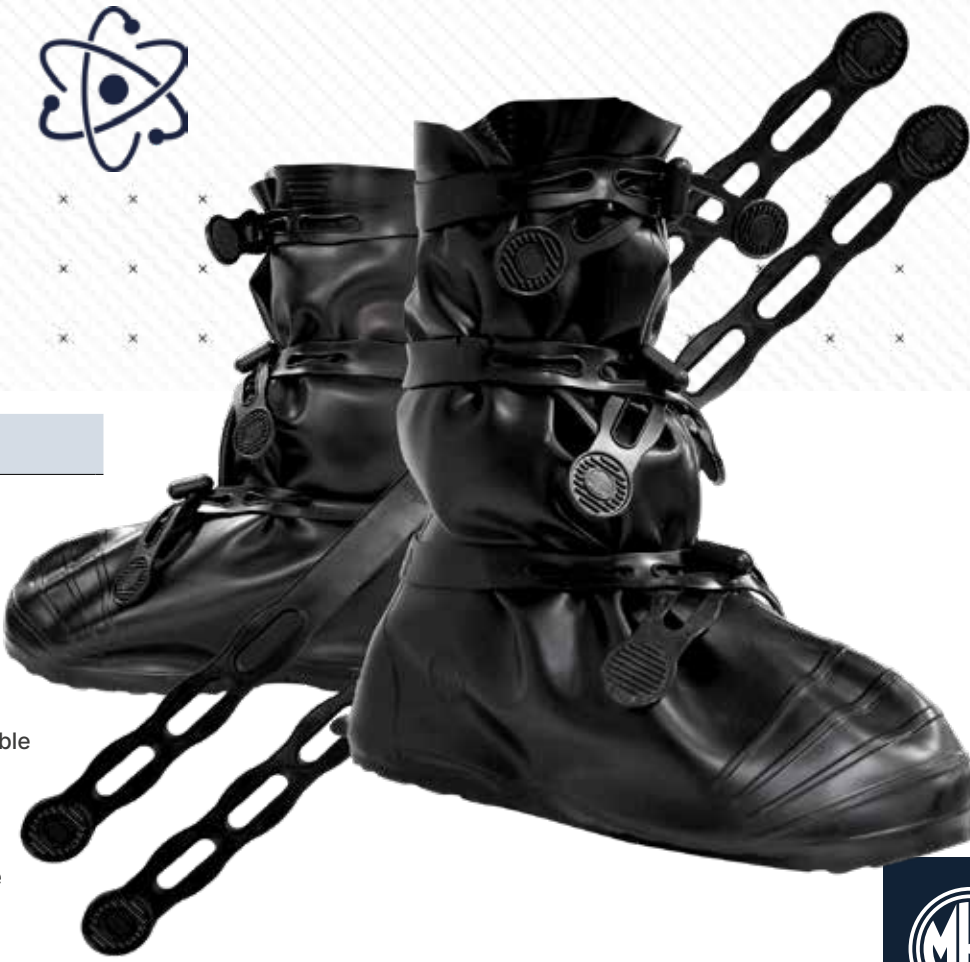
CBRN PROTECTIVE GLOVES



CBRN PROTECTIVE GLOVES

- The formulation, developed using butyl rubber which the polymer with the highest impermeability against CBRN agents, consists of 100% butyl rubber.
- Its refined structure, along with a specialized texture added to the fingertips and palm, enhances the user's tactile sensitivity and ensures touchscreen compatibility.
- The addition of horizontal flex gusset on the back of the hand and articulated joint points across various fingers improves the user's hand mobility.
- Designed with sensitivity for pulse measurement.
- A specialized texture integrated into the wrist section allows personnel to rapidly remove the contaminated glove.
- The Protective Gloves are symmetrically designed, allowing compatibility with both the right and left hands.
- It is fully compatible with MKE CBRN Protective Clothing.

CBRN PROTECTIVE OVERBOOT



CBRN PROTECTIVE OVERBOOT

- The formulation, developed using butyl rubber which is the polymer with the highest impermeability against CBRN agents, consists of 100% butyl rubber.
- A textured surface has been added to the upper section to prevent slippage during use and facilitate easy wearability.
- A textured layer integrated into the heel section enables personnel to rapidly remove the contaminated overboot.
- The laces are designed to be removable, preventing the overboot from becoming unusable due to lace breakage.
- The front gusset improves the wearer's mobility.
- The Protective Overboot is symmetrically designed, allowing compatibility with both the right and left foot.
- It is fully compatible with MKE CBRN Protective Clothing.



TECHNICAL FEATURES

CBRN PROTECTIVE CLOTHING



TECHNICAL FEATURES CBRN PROTECTIVE CLOTHING

Designed with a multi-layered structure incorporating activated carbon technology, CBRN Protective Clothing provides advanced protection against CWA's.

Features reinforced knee, elbow, back, and crotch zones to reduce wear and extend operational durability in demanding field conditions.

Equipped with liquid-tight zippers to maximize protection against permeation of hazardous substances.

Ensures full compatibility and seamless integration with protective equipments such as CBRN boots, gloves, and respiratory masks.

The dual-layer construction at the wrist and ankle area adds an extra barrier against liquid and vapor ingress.

Designed ensure high ergonomic performance and enabling freedom of movement during tactical operations.

Offers effective defense against vapor, liquid, and particulate forms of warfare agents, meeting the requirements for protection.

Flame Retardant- standart (EN ISO 15025)

Available in two configurations:jacket with trousers, or coverall, to meet different operational needs.





CBRN GAS MASK

SR10 / SR10 ST / SR10 MC



SR10 / SR10 ST / SR10 MC

SR10 / SR10 ST / SR10 MC	
Standard Number	TS8861
Protection	Designed for use by military, civil defense, police and emegency personal in toxic enviroments, potentially contaminated with Chemical, Biological, Radiological and Nucleer (CBRN) agents.
Material	Natural rubber / Butyl rubber
Weight	680-800 g
Assembly of Canister	It is suitable to be used with any gas mask via a connection screw compliant with TS EN 148-1 standard, respiration resistance and other features are compliant with the NATO and European Standards.
Temperature Test (°C)	-30 ± 2 / +50 ± 2
Glass and Sound Features	Polycarbonat glass with antistratch, antifog and high impact strength features. Provides easy sound transmission.
Head Strap	Butyl / Natural, six point harness.
Shelf Life	10 years
Impermeability	CBRN Gas tests and flow resistance tests.
Visual Field	Double ocular visual field angle: Min. %15
	Vertical visual field angle: Min. %40
	Horizontal visual field angle: Min. %70
Size	Small, Medium, Large
Gas Mask and Canister Bag and Packing	It is designed to carry 1 gas mask and 2 canister with vacuumpackage and waterproof bag.
Drinking Tube System	Optionally (SR10 ST)
ACV/APC/Tank Inner Communication	Optionally (SR10 MC)



GAS MASK

NEW GENERATION PANORAMIC



NEW GENERATION PANORAMIC GAS MASK



NEW GENERATION PANORAMIC GAS MASK	
Standard Number	TS8861
Protection	Designed for use by military, civil defense, police and emegency personel in toxic enviroments, potentially contaminated with CN/SC/OC agents.
Material	Natural rubber / Butyl rubber
Weight	550-600 g
Use of Canister	Can be plug right or left.
Assembly of Canister	It is suitable to be used with any gas mask via a connection screw compliant with TS EN 148-1
Temperature Test (°C)	-30 ± 2 / +50 ± 2
Glass and Sound Features	Panoramic polycarbonat glass with antistratch, antifog and high impact strength features. Provides easy sound transmission.
Head Strap	Textile, six point harness.
Shelf Life	10 years
Impermeability	Gas tests and flow resistance tests.
Visual Field	Effective ocular field angle: Min. %70
	Overlap visual field angle Min. %80
Size	Medium / Universal
Gas Mask and Canister Bag and Packing	It is designed to carry 1 gas mask and 2 canister with vacuum package and waterproof bag.



CBRN EXCAPE HOOD



CBRN EXCAPE HOOD

CBRN Escape Hood provides short-term (30 minutes) protection against basic chemical and biological warfare agents in order to ensure safe and correct escape from areas contaminated with CBRN Warfare Agents to shelters or clean-safe areas in emergency situations. It is a CBRN protective equipment developed to meet the need for gas masks in emergency situations.

MASK HALF-FACE

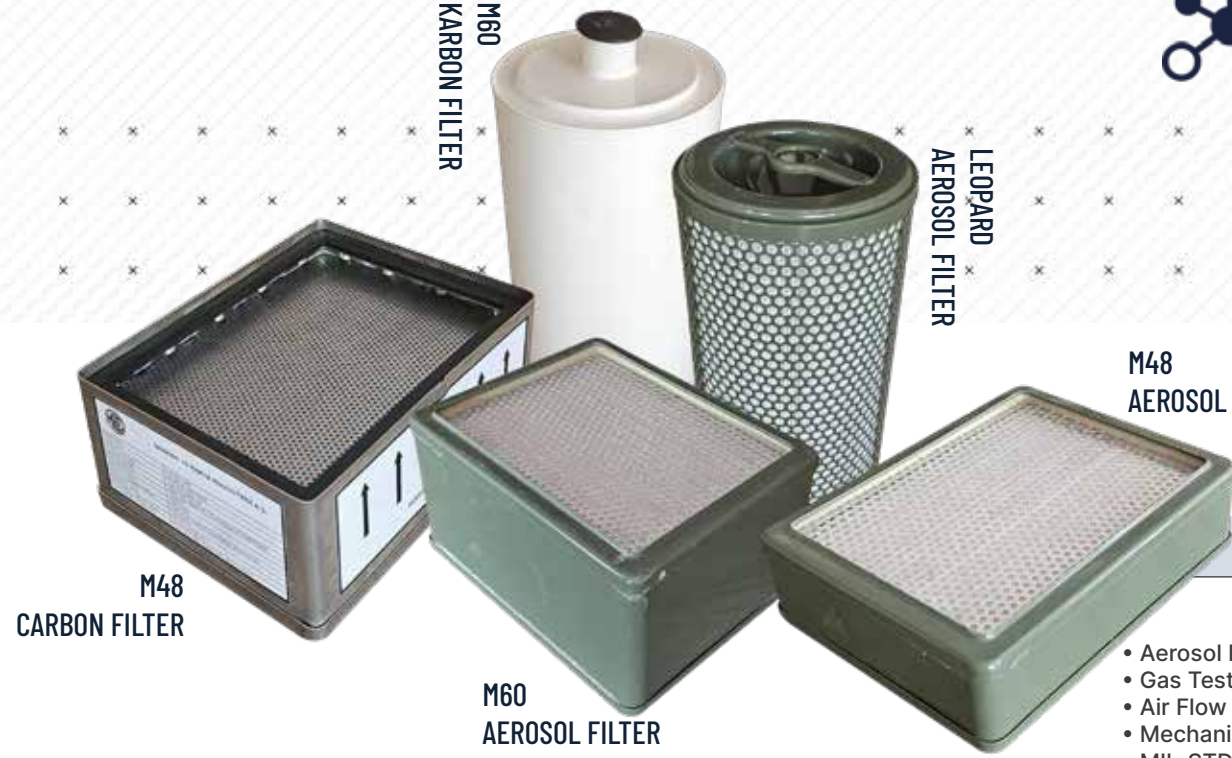


HALF-FACE MASK

- Double air valves
- Adjustable head strap
- Half-face mask that can be decontaminated.
- With CE Certification.

CBRN FILTERS

M48-M60-LEOPARD 2A4



M48
AEROSOL FILTER

M48-M60-LEOPARD 2A4 CBRN FILTERS

- Aerosol Filter Efficiency Tests
- Gas Tests
- Air Flow Tests
- Mechanical Tests
- MIL-STD 810G (High Temp, Low Temp, Shock, Vibration)
- Complies with AEP-54

MASK

SURGICAL MASK



SURGICAL MASK

- Nonwoven fabric
- Anti-allergic and high air-permeability
- Ultrasonic stitches
- Disposable
- 3 layers
- It has UTS and CE certificate.



VALVED / WITHOUT VALVED MASK

FFP3 TYPE



VALVED / WITHOUT VALVED MASK FFP3 TYPE

- The MKE FFP3-type Valved / Without Valved Mask provides the user with effective and comfortable respiration. Its 3 dimensional flexible frame is designed to fit all face types. These products meet the requirements laid down in the European Community Directive 89/686/EEC (Personal Protective Equipment Directive) and are thus CE-marked.

- Non-irritating
- Nanofiber nonwoven textile material with 3 layers
- Nose piece
- Nano-fiber coating technology
- Filtration Efficiency: + 99%
- Outlet valve available

SHIELD

TYPE C FACE SHIELD



TYPE C FACE SHIELD

- Replaceable plexiglass transparent sheet
- Flexible, adjustable head strap
- Polypropylene cap
- With CE Certification.



TYPE A SAFETY GOGGLES



TYPE A SAFETY GOGGLES

- Designed to fit all face types.
- Reflex edges made of TPU material.
- Adjustable head strap available.
- 100% vision clarity
- With CE Certification

TYPE B SAFETY GOGGLES



TYPE B SAFETY GOGGLES

- Designed to fit all face types.
- Thanks to its Anti-fog feature, it blocks moisture from sticking on the glasses during use.
- Reflex frame borders made of medical PVC material.
- Adjustable head strap available.
- 100% vision clarity
- With CE Certification.

PROTECTIVE COVERALL



PROTECTIVE COVERALL

- Made from nonwoven fabric, it is particle-and liquidresistant.
- The face part of the hood as well as the wrist and ankle parts, all elastic, do not disturb the user.
- The hood and collar as an entirety do not hinder neck movements.
- Zip front from chin to legs
- Disposable
- Low pressure and resistant to liquid splashes.
- Available in 3 sizes: M, L, XL

CBRN & INDUSTRIAL TYPE OF CANISTERS



CBRN AND INDUSTRIAL TYPE OF CANISTERS

Standard Number	TS 8861, MIL-C-0013724		
Weight	Apx. 250-300 g		
Usage	Suitable to be used with any gas mask via a connection screw compliant with TS EN 148-1 standard, quality of their respiration resistance and other features are compliance with the NATO and European Standards.		
Canister Type	D-13 (Aluminium)	P-13 (Plastic)	D-12
Active Material	Activated Carbon	Activated Carbon	Activated Carbon
Aerosol Filter	Available	Available	Available
Shelf Life	10 Years	10 Years	10 Years
Package	Special aluminium foil with vacuum package	Special aluminium foil with vacuum package	Special aluminium foil with vacuum package
Protection	ABEK-P3	CN,CS,OC	War Gases (NATO)
Other Industrial Type of Canisters	Against Industrial type; organic - inorganic - toxic - acidic gases and their vapour. Type A, Type B, Type E, E2-P3 Combine, Type K, ABE-P3 Combine, ABEK, P3 Dust.		







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