



Super safe survival CBRN family kit

With nuclear, biological, and chemical threats growing by the day, ensuring you and your family are fully equipped with the correct NBC gear becomes an important issue. The Super Safe Survival CBRN Family Kit includes: The sapphire CBRN system for parents. The Quartz protective hood for children and infants. The Pet Respiratory protection tent for family pets. All parts of the Super Safe systems in this kit are of the highest level of safety that meets the most stringent military standards.

Why do so many American families, purchase their entire family CBRN protection systems from Impertech Safety?

Impertech Safety, located in Israel, has been producing CBRN protection systems for the Israeli MOD and IDF (The Israel Defense Forces) for over 40 years. Impertech Safety, is also the only company in the world that manufactures protection systems for the entire family including infants and pets. Perhaps this can be attributed to the fact that during the Gulf War, when Israel was under nuclear threat from Iraq, Impertech safety, developed, produced and provided millions of defense systems to to millions of citizens in the State of Israel.

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SAPHIRE

CBRN protection kit for parents

Parent kit includes the following:

1x Sapphire CBRN Respirator Hood

2x New NBC Filters

Onyx 90 Blower + Battery CASE + 8 Batteries

Aquamarine Type II - High Performance CBRN Suit

SuperSafe Overboots

SuperSafe Butyl Rubber Gloves



QUARTZ

CBRN protection kit for children

1x Quartz CBRN Respirator Hood

1x New NBC Filters

Onyx 45 Blower + Batteries

Aquamarine Type II - High Performance CBRN Kids Suit

SuperSafe Kids Overboots

SuperSafe Kids Butyl Rubber Gloves

Rugged Water Resistant Black Branded bag (fits all items)



PET RESPIRATORY TENT

CBRN protection kit for Pets

Pet's kit includes the following:

1x Robust Pet Respiratory Protective strong saltant

2x New Sealed NBC Filters

Onyx 90 Blower + Battery CASE + 8 Batteries

Adapted synthetic grass mat



Sapphire Protective Mask

The Adult Sapphire Protective Hood is a new concept in human respiratory protection against CBRN Hazardous Materials. The hood provides a high degree of reliable protection and physical comfort, regardless of facial structure or manual dexterity. The hood is designed for individuals aged 13 years and above.

Main Features & Advantages

- Supreme protection: Hood-shaped for maximum seal and positive pressured, and provides a Protection Factor of 10,000 PPM.
- Powerful air-supply: The hood becomes a positive pressure system through the attachment of a blower (IMP 2005), supplying air up to 90 L/minute. This significantly improves protection and physiological comfort.
- One-size fits all: The hood is made of soft silicon laminate that seals around the user's neck and is compatible with eyeglasses, beards, etc.
- Vision clarity: The hood is integrated with a large polycarbonate visor, thus permitting clear, undistorted vision.
- The nose-cup: is tightened and positioned on the face using the two diagonal straps and quick release buckles on the back of the hood.
- User-friendly: Wide visor for maximum field of vision, easy to don and doff, comfortable for prolonged use.
- Long shelf life: The system has a shelf life of 15 years in original packing (batteries - 8 years).
- The Sapphire Mask is especially adapted for use by:
 - > The police and law enforcement forces
 - > First responders
 - > Medical teams

Certifications

Foreign Army Documents:

- MIL STD 282
- MIL V 43511C
- MIL C 83409

Testing processes:

- ASTM D 624
- ASTM D 638
- ASTM D 882
- ASTM D 1938
- ASTM D 2240
- ASTM D 2261
- ASTM D 2582

European standard:

- EN 166: 1995
- EN 167: 1995
- EN 168: 1995
- EN - 148- 1
- DIN 53508
- DIN 53512
- DIN 53505
- DIN 53504



Quartz

Powered Air Purifying Respirator for Infant & Child

The infant & Child Shield Hood is a respiratory protection system with a toy-like appeal, which is designed specifically to keep infants and children safe from airborne threats. The Infant & Child Shield Hood system is manufactured and tested in accordance with the specifications of the Israel Defense Forces and Ministry of Defense, and was provided to every newborn in Israel.

Guardian CBRN Respirators – Your trusted protector from Bio Hazards and Viruses

Main Features & Advantages

- Supreme protection: Hood-shaped for maximum seal and positive pressured. provides a Protection Factor of 10,000.
- Powerful air-supply: Equipped with a 45 liter/minute blower for ample air supply (three times the amount breathable by a child).
- One-size fits all: Fits toddlers as well as 8-10-year-old children.
- User-friendly: Toy-like appeal, a wide visor for maximum field of vision, easy to don and doff, comfortable for prolonged use.
- Internal drinking mechanism: Allows baby formula feeding and liquid consumption via a drinking straw.
- Long shelf life: The system has a shelf life of 15 years in RT conditions (8 years).

Manufactured pursuant to Certifications

Foreign Army Documents:

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European standard:

- EN 166: 1995
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Testing processes:

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- ASTM D 2582



The system consists

Hood mask

with panoramic reflector, an integral drinking mechanism and strap system.



CBRN filter

Includes a standard thread and can be connected to protective systems manufactured in accordance with CBRN standards.

Blower

45L/min with a flexible hose and batteries fitted for 15 Hours of continuous work



Aquamarine Protective Suit

Protective NBC Hazmat Suit Type III

This Aquamarine military respiratory protection suit is designed specifically for military and first responders, e.g. police, fire fighters and medical rescue teams involved in CBRN protection. The Aquamarine Respiratory Suit offers full coverage against the most severe airborne threats, while providing the highest levels of protection and performance. The Aquamarine Respiratory Suit is manufactured and tested in accordance with the specifications of the Israeli Defense Forces and Ministry of Defense, and is standard equipment among the Israeli military and first responders.

Main Features & Advantages

- The Aquamarine Respiratory Suit provides a protection factor of 10,000.
- Powerful air-supply: The Aquamarine Suit is equipped with a 100 liter/minute blower for ample air supply, suitable for performing emergency tasks.
- One-size fits all: The Aquamarine Respiratory Suit is neck-sealed and is compatible with eyeglasses, beards, etc.
- User-friendly: The Aquamarine Suit has a Wide visor for maximum field of vision, easy to don and doff, and comfortable for prolonged use.
- Long shelf life: The Aquamarine Respiratory Suit has a shelf life of 15 years in original packing.
- The Aquamarine Respiratory Suit is provided with a 100 L/min blower with a flexible hose, batteries fitted for 15 hours of continuous work, and 2 standard NBC filters. An internal drinking mechanism is also featured.



Pet Respiratory Tent

CBRN protection for pets | Cat. No. 012500400

Performance

The Pet Respiratory Tent provides protection against chemical and biological agents, as well as radioactive dust particles. The filter has a sturdy design appropriate for military and civil defense use, and can be reused if not exposed to chemical or radioactive hazards.

The tent is made from laminate-230, and has one entrance with 4 transparent squares. Its volume is 400 liters and it can contain animal/s who weigh up to 10 Kg in total. Its total length is 1300 mm.

The respiratory tent is resilient and sturdy. It folds flat for storage and can be quickly opened and connected to the air blower hose.

The tent's battery-powered CBRN blower creates overpressure within the interior of the tent, so as to prevent the entry of chemical and biological contaminants. It supplies approximately 90 liters of air per minute and is powered by 5.8V lithium batteries, providing at least 15 hours of continual operation.

Made from polycarbonate, the blower is fitted with loops for suspension from a belt or back harness, providing maximum convenience under field conditions.

Each Pet Respiratory Tent contains a CBRN filter / P3 filter, a laminate tent, a BL-90 blower, 8 AAA batteries, and a pasture of synthetic grass.

The tent was tested on animals, such as: dogs, cats and ornamental birds.

Key Features

- Superior Safety: The respiratory tent provides protection against chemical and biological agents, and radioactive dust particles
- Guaranteed protection: the tent is connected to a CBRN filter
- The tent provides 16 air change cycles per hour
- Can contain more than one animal
- User comfort: Easy and convenient to operate, strong and durable
- Allows interaction with the animal/s inside
- Easy to store
- Easy to assemble
- Comes with comfortable synthetic grass for animal comfort
- Versatile

The Onyx-90

90 Liter Per Minute Respirator Blower

This enhanced Onyx-90 assistant blower, is made of polycarbonate, and designed for evacuation of forces as well as for civil uses. It creates an overpressure within the interior space of the mask, preventing the entry of chemical and biological warfare agents. The blower makes it easy to breathe and enhances the comfort of using a standard rubber mask. The Onyx-90 blower supplies approximately 90 liters of air per minute via two filters, and is powered to work for 8 hours of continual operation. This Onyx-90 blower is fitted with loops and can be clipped on hip, back or leg, to allow use without limiting freedom of motion. The blower is equipped with a monitor lamp, so that users can verify its proper operation at all times.

ONYX-90

This enhanced Onyx-90 assistant blower, is designed for evacuation forces as well as for civil uses. It creates overpressure within the interior of the mask, preventing the entry of chemical and biological warfare agents. The Onyx-90 blower supplies approximately 90 liters of air per minute, via two CBN filters, and is powered to work with 8 AA batteries for at least 8 hours of continual operation. This Onyx-90 blower is fitted with loops and can be clipped on hip, back or leg, without limiting freedom of motion.

- Weight (including battery): 730 gr.
- Power supply: 1 lithium sulphur-dioxide battery, (type BA - 5800-U), supplied separately
Operating voltage: 5.4 volts
- Air flow: 90 l/min



The Onyx-45

45 Liter Per Minute Respirator Blower

The Onyx blowers are compact, easy to carry and extremely reliable supplying constant air-supply that maintains positive pressure into NBC protective masks. The Onyx blowers draw filtered air from NBC filters attached to them and supply the air via a flexible hose directly into the NBC protective hood / mask. The blowers create overpressure within the interior of the mask, thus preventing the entry of chemical and biological warfare agents.

Made of polycarbonate, the blower is fitted with loops for suspension from a belt or a back harness; this arrangement provides maximum convenience even under field conditions. The advanced & enhanced 90/45 Onyx blowers are designed for evacuation forces as well as other personnel engaged in strenuous activity. The blowers make it easy to breathe and enhances the comfort of using a standard rubber mask. The blowers are equipped with a monitor lamp, so that users can verify it's proper operation at all times. The 90/45 Onyx blowers fit all types of personal filter canisters with a standard NATO thread (40mm X 1/7").

ONYX-45

This enhanced Onyx-45 assistant blower, is designed for civil, first responders, and medical use. It creates overpressure within the interior of the mask, preventing the entry of chemical and biological warfare agents. The Onyx-45 blower supplies approximately 45 liters of air per minute, via a SPG P3 R filter, and is powered to work 20 hours of continual operation. This Onyx-45 blower is fitted with loops and can be clipped on hip or on the back, without limiting freedom of motion.

- Weight (including battery): Up to 550 gr.
- Power supply: 1 lithium sulphur/dioxide battery
- Operating voltage: 5.4 volts
- Air flow: 45/min
- Operating time (without replacing batteries): minimum 20 hours
- Shelf life: 8 years



Hematite CBRN Ruggedized Filter

CBRN Ruggedized Respirator Filter For Particles, Biohazards And Viruses

The Hematite CBRN Filter developed by Impertech, a subsidiary of Supergum Group, a leading one stop shop for Respiratory protection equipment for both civilian and military teams for more than 30 years, for providing an immediate and effective solution to the struggle against biological threats, including the corona virus, in particular.

The Hematite CBRN Filter is made from a rigid envelope that utilizes internal layers to provide effective protection against CBRN agents. The Hematite CBRN filter is manufactured per requirements defined by Israeli authorities' specifications. The Filter structure Allows low resistance breathing, excellent shielding properties and high mechanical resistance.

Connectivity

The filter includes a standard thread and can be connected to protective systems manufactured in accordance with CBRN standards.

Materials

- Construction Material – Nuril + 10% GF
- Particulate Filter – HEPA H13

Dimensions

Height: excluded thread: 63±1 mm
Include thread: 82±1 mm
Diameter: 114±1 mm
Maximum Weight: 270gr

Storage

Storage time: The filter's shelf life is over 20 years when stored in its original packaging.
Storage conditions: temperature range -10°C e +50°C, Relative Humidity < 80%.

CBRN Filter is especially adapted for use by:

- The police and law enforcement forces
- Security forces
- IDF – Israel Defense Forces
- Medical teams
- Emergency medicine rescue forces
- Firefighting forces
- Hospital/pharmacy staff
- Production line employees who use masks frequency

Protection Level

EN Standard	EN14378:2004 +A1
Markings	EN143-2000+A1
Thread	EN148-1:1999

