

Cryogenic Suits



Cryogenic Suit without backpack

Cryogenic suit with backpack

Ultra-low temperature protective clothing is also known as liquid nitrogen protective clothing. It's suitable for workers to effectively resist the extreme cold temperature to $-250\text{ }^{\circ}\text{C}$, **without any hard and metamorphic influence in long-term wearing.** The product is widely used in the world for **low-temperature gas**, cold storage, ice, cold room. **Also used in biomedical, laboratory, industrial, aerospace, frozen food processing and any other extreme cold places.**

Equipment package comprising: ultra-low temperature protective helmet , coveralls, gloves , apron , boots. **Suitable for liquid nitrogen splash against the cold and splashing liquids.**

Product introduction

1. The product adopts Imported multi-layer anti-cold composite materials , through sophisticated seal production process . The materials are the most advanced composite materials, which are breathable ,waterproof , low temperature cotton , textile lining , polyester pongee.

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2. They are applicable for staff working in extreme cold environments to wear .They are soft, breathable, flexible, excellent defensive one-piece design , equipped with anti-fog , anti-shock windows .You will have wide vision , high visibility and no sense of vertigo after wearing .
 - 3.Ultra-low temperature protective products are used to protect the head, body , hands and arms , avoid extremely cold work hurt.
 4. The product is very portable, soft, durable , clean, extremely flexible , warm and comfortable to wear.

Unique structure

The outer layer of the composite materials is made up **of three different layers** , two layers of which are thin layer made of insulating material .The edges of two layers bond together , thus trapping a large amount of insulating air , without needing to add additional weight or volume . The inner material is with high heat resistance to take moisture away.

I、 Product specifications

Model: without ordinary backpack
with a built-in backpack for SCBA

Structure: Siamesed

Material: multilayer composite material imported anti-hypothermia
Function: Anti-cold, anti-nitrogen clothing, LNG protective clothing
Color: navy blue

Size: S (suit for height of 165-170cm)
M (suit for height of 170-175cm)
L (suit for height of 175-180cm)
XL (suit for height of 180-185cm)
XXL (suit for height of 185-190cm)

II、 Main features:

1. Lightweight, move freely after wearing .
2. Easy to clean the jacket or liner .
3. Effectively protecting from -160 °C ~ -250 °C low temperature working environment.

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4. Excellent heat preservation and soft comfort.
 5. Lightweight , flexible ,Waterproof and breathable.
 6. Protection coolant splash, comfortable for working long hours in the freezing air.

III、 Application and product performance

1. This product is suitable for air and nitrogen environments , frozen storage compartment , low temperature freezers cold workplaces low effective defense of $-170\text{ }^{\circ}\text{C} \sim -250\text{ }^{\circ}\text{C}$.
2. Excellent thermal insulation, waterproof, breathable \ comfortable, lightweight , very flexible.
3. Have a good effect in protecting against splashing liquid nitrogen, and very comfortable when working long hours in the freezing air.
4. Applied to biomedicine, genetic technology , laboratory research , industrial , anti- spatter liquid nitrogen , frozen food processing , LNG filling stations , and any other cryogenic grinding prevention of extreme cold.

IV、 Direction for use

1. It should be checked **for the appearance** before dressing the suit ,confirming that no damage, open lines and open plastic case ,confirming whether the conditions meet the safety .
2. Prohibited the use in flame occasions.
3. Working in wearing protective clothing and protective gloves, boots , protective hoods and other ancillary uses, ensure that no skin exposed.

V、 Storage

1. Store in ventilation , mildew, moth proofing, clean and dry place .
2. Avoid from acid , alkali, oil and corrosive materials.
3. Under normal storage conditions , long-term preservation .
4. Regularly check the quality and appearance of clothing storage condition changes, abnormal use is prohibited.
5. Prevent any physical or chemical damage.

Note : Do not immerse these protective clothing in liquid nitrogen or any other low-temperature liquid and oily liquid

Accessories ↓



Cryogenic Protective Helmet

Size: free size

Material: Breathable waterproof composite, low cotton , textile lining ,

Features: Multi-layer composite material , through sophisticated production process, better protect the head from cold damage.

Usage: used in laboratory research , industrial , anti- spatter liquid nitrogen , frozen food processing, cryogenic grinding and any other prevention of extreme cold.

Cryogenic Protective Boots

Material : Low temperature silicone rubber, composite fabrics , cold proof cotton.

Features: Superior heat damage protection ; waterproof , breathable ; lightweight , comfortable to wear ; a high degree of operational flexibility.

Purpose: Work for long hours at low temperatures, withstand extreme +100 degrees to -360 degrees.

Specifications : 39-46 yards.

Boots Size 39 yard, 24.5cm INSEAM LENGTH
Boots Size 40 yard, 25.0cm INSEAM LENGTH
Boots Size 41 yard, 25.5cm INSEAM LENGTH
Boots Size 42 yard, 26.0cm INSEAM LENGTH
Boots Size 43 yard, 26.5cm INSEAM LENGTH
Boots Size 44 yard, 27.0cm INSEAM LENGTH
Boots Size 45 yard, 27.5cm INSEAM LENGTH
Boots Size 46 yard, 28.0cm INSEAM LENGTH



Cryogenic Protective Gloves



Specifications:

Length	Description	Weight
32cm/38cm	MID-ARM(MA)	200g/210g
48cm/58cm	ELBOM(EB)	240g/270g
68cm	SHOULDER(SH)	300g

Color: navy blue

Main features:

- ▲ Applicable to resist extreme cold , temperature range -250° to $+148^{\circ}$ C;
- ▲ Can be used to clean rooms or clean rooms in 1000 level ;
- ▲ Gloves are made of the same three layers : two layers where in a thin layer of insulating material , the edges are bonded together , thus trapping a large amount of insulating air , without adding additional weight or volume ;
- ▲ Inner material with high thermal insulation, wicks moisture away ;
- ▲ Multi-layer insulated gloves , comfortable and warm ;
- ▲ Light , soft, durable , clean, extremely flexible ,without heavy pressure ;
- ▲ Cryogenic protective gloves are available to remove the liquid nitrogen directly from liquid nitrogen Dewar , liquid nitrogen cans and other containers ;
- ▲ Widely used in the world for low-temperature gas , cold storage , ice , cold room, etc. ;
- ▲ Applied in biomedical , genetic technology , laboratory research , industrial , anti-spatter liquid nitrogen , frozen food processing , LNG filling stations , and any other cryogenic grinding prevention of extreme cold.

 Caution:

- *Store in ventilation , mildew, moth proofing, clean and dry place ;
- *Avoid from acid, alkali , oil and corrosive materials ;

 Warning:

Not for immersion in liquid and other low temperature liquid and oily liquid.