

# Cryo-Gloves®

[www.cryogloves.com](http://www.cryogloves.com)



CRYO-GLOVES  
TEMPSHIELD

**TEMPSHIELD**

**CRYO-PROTECTION™**

Two blue nitrile gloves are shown, one slightly behind the other. Each glove has a red rectangular label on the wrist area. The label contains the text "WATERPROOF", "Cryo-Gloves", and "TEMPSHIELD".

## Tempshield Quality Is Unsurpassed.

To ensure Tempshield's high standard of quality, we monitor production using our Comprehensive Quality System, which includes rigorous inspections and tests.

Each item we make is inspected at every stage of production. Nothing is more important to the people at Tempshield than your safety.



The leading medical and scientific firms worldwide rely on Tempshield Quality.

# TEMPSHIELD

## Cryo-Protection™

### *Personal Protective Apparel and Equipment*

Tempshield specializes in the development and manufacture of high-quality, cryogenic personal protective equipment and apparel. A pioneer in the development of cryogenic safety apparel, Tempshield launched the first cryogenic glove in 1980. Made from the highest-quality state-of-the-art materials, our gloves allow for a maximum level of thermal protection, flexibility, and dexterity.

Today, our cryogenic gloves and aprons are essential accessories for those working in hazardous environments with ultra-low temperatures. The leading medical and scientific firms worldwide rely upon Tempshield products to keep them safe.

Call us at **800-680-2796** (USA), or **+1 207-667-9696** (International), and we will help you identify the cryogenic gloves or apron suitable for your environment. Tempshield cryogenic personal safety apparel includes:

**Cryo-Gloves®**

**Cryo-Apron®**

**WATERPROOF Cryo-Gloves®**

**CRYO-INDUSTRIAL® GLOVES**

**CRYO-INDUSTRIAL® APRON**



Cryogenic Society  
of America, Inc.



ISO 9001:2000

#### **CRYO-PRODUCTS™ APPLICATIONS / ENVIRONMENTS**

Tempshield cryogenic apparel is used for a variety of applications and in ultra-cold environments including:

- Bio-Medical Labs
- Clinical Labs
- Blood Banks
- Fertility Clinics
- Pharmaceutical
- Genetics and Biotechnology
- Cryo-Preservation Facilities
- Liquid Spill Response
- Industrial
- Aerospace
- Petrochemical
- Frozen Food Processing
- Cryogenic Liquid & Gas Producers
- Environments where Cryogenic Liquids are Handled

#### **WARNING**

Anyone handling cryogenic liquids should be familiar with the hazards presented by such materials and trained in how to handle them safely. Emergency procedures should be established and rehearsed, proper training in the operation of all equipment provided, and knowledge and appreciation of hazardous properties of the materials instilled. Cryogenic liquids should never be handled without proper protective gear.



Cryo-Gloves  
Tempshield

Cryo-Gloves®

# Cryo-Gloves®

## Cryogenic Protection in Ultra-Cold Atmospheres

Cryo-Gloves® made by Tempshield protect your hands and arms when working in hazardous, ultra-cold environments. Our innovative design offers superior thermal protection, while allowing for a maximum level of flexibility and dexterity—an essential feature when function is important and safety is critical.

Made from state-of-the-art materials, Cryo-Gloves® use a flexible, multi-layered insulated construction that provides maximum thermal protection, yet offers comfort, flexibility, and dexterity so you can perform tasks effectively and safely. An additional stay-dry lining keeps you warm and comfortable.

### FEATURES

- Maximum Thermal Protection
- Water Resistant
- Lightweight and Comfortable
- Excellent Dexterity
- Breathable and Stay-dry Lining

### STYLES

- WRIST (WR)  
11 1/4" - 12 1/2" (290-320mm)
- MID-ARM (MA)  
13 1/2" - 15 1/4" (345-390mm)
- ELBOW (EB)  
17 1/4" - 19 1/4" (440-485mm)
- SHOULDER (SH)  
24 3/4" - 27" (625-685mm)

### US SIZES

- Small (S)
- Medium (M)
- Large (L)
- Extra Large (XL)

### EN SIZES

- (8) (9) (10) (11)



EN 511



EN 388



EN 420



Shoulder



Elbow



Mid-Arm



Wrist



**CAUTION** Not for immersion in liquid nitrogen



**WATERPROOF Cryo-Gloves®**

# WATERPROOF Cryo-Gloves®

WATERPROOF  
**Cryo-Gloves®**  
TEMPSHIELD

## Hand Protection when working with Liquid Nitrogen

Waterproof Cryo-Gloves® made by Tempshield protect your hands and arms when working in hazardous, ultra-cold environments. Gloves are designed to provide a high level of thermal protection where the exposure to cryogenic fluids might exist.

Made from state-of-the-art materials, our waterproof cryogenic gloves are designed to keep you dry and to wick moisture away from your hands, so you can work in comfort for extended periods of time. A thin, seamless 100% waterproof liner provides protection from spills and splashes. Our multi-layered construction allows for a maximum level of thermal protection, flexibility, and dexterity—essential features when function is important and safety is critical.

### FEATURES

- Maximum Thermal Protection
- Water Proof
- Lightweight and Comfortable
- Excellent Dexterity
- Breathable and Stay-dry Lining

### STYLES

- Wrist (WR)  
11<sup>1</sup>/<sub>4</sub>"-12<sup>1</sup>/<sub>2</sub>" (290-320mm)
- Mid-Arm (MA)  
13<sup>1</sup>/<sub>2</sub>"-15<sup>1</sup>/<sub>2</sub>" (345-390mm)
- Elbow (EB)  
17<sup>1</sup>/<sub>4</sub>"-19<sup>1</sup>/<sub>4</sub>" (440-485mm)
- Shoulder (SH)  
24<sup>3</sup>/<sub>4</sub>"-27" (625-685mm)

### US SIZES

- Small (S)  
Medium (M)  
Large (L)  
Extra Large (XL)

### EN SIZES

- (8) (9) (10) (11)

CE Cat. III



EN 511



EN 388

EN 420



Shoulder



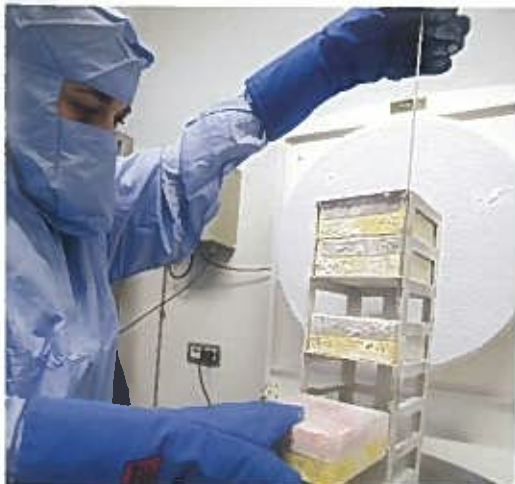
Elbow



Mid-Arm



Wrist



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Cryo-Apron®



# Cryo-Apron®

*Protection from Splashes and Contact Cold*

Cryo-Apron® made by Tempshield provides a high-level of thermal protection to the torso and upper legs in harsh cryogenic atmospheres.

Made from state-of-the-art materials, our durable Cryo-Apron® is designed to keep you safe and comfortable. Our multi-layered construction allows for a maximum level of thermal protection, and a waterproof nylon outer shell protects you from cryogenic splashes. For added safety and function, our cryogenic aprons have quick-release buckles at the neck and waist.



## FEATURES

- Maximum Thermal Protection
- Water Proof
- Lightweight and Comfortable
- Splash Protection
- Breathable

## APRON WIDTHS

24" / 60.96cm

## APRON LENGTHS

36" / 91.4cm

42" / 106.7cm

48" / 121.9cm

54" / 137.2cm

CE Cat. III



EN 511



EN 388

EN 420



**CAUTION** Not for immersion in liquid nitrogen



## CRYO-INDUSTRIAL® GLOVES



## CRYO-INDUSTRIAL® APRON

*Abrasion Resistant Protection from Cryogenic Atmospheres*

Cryo-Industrial® Aprons made by Tempshield provide a high-level of thermal protection to the torso and upper legs in harsh cryogenic atmospheres.

Made from state-of-the-art materials, our durable industrial aprons are designed to keep you safe and comfortable. Our multi-layered construction allows for a maximum level of thermal protection, and a rugged waterproof Cordura® nylon outer shell protects you from cryogenic splashes. For added safety and function, our cryogenic aprons have quick-release buckles at the neck and waist.

# CRYO-INDUSTRIAL® GLOVES and APRONS

## *Abrasion Resistance, Thermal Protection, and Performance*

Cryo-Industrial® Gloves made by Tempshield protect your hands and arms when working in hazardous, ultra-cold environments. Gloves are designed to provide a high level of thermal protection and abrasion resistance in cryogenic atmospheres where the exposure to cryogenic fluids might exist. Our industrial gloves provide an excellent grip for heavy-duty applications.

Made from state-of-the-art materials, these durable industrial safety gloves are designed to keep you dry and to wick moisture away from your hands, so you can work in comfort for extended periods of time. A rugged, abrasion-resistant outer shell and a thin, seamless 100% waterproof liner provide extra protection from cryogenic splashes.

Our multi-layered construction allows for a maximum level of thermal protection, flexibility, and dexterity—essential features when function is important and safety is critical.

### FEATURES

- Maximum Thermal Protection
- Waterproof
- Lightweight and Comfortable
- Excellent Dexterity
- Breathable and Stay-dry Lining

### STYLES

- Wrist (CIW)  
11 1/2" - 12 3/4" (290-320mm)
- Mid-Arm (CIM)  
13 3/4" - 15 1/4" (350-385mm)
- Gauntlet (CIG)  
17 1/4" - 18 1/2" (435-465mm)

### US SIZES

- Medium (M)
- Large (L)
- Extra Large (XL)

### EN SIZES

- (9) (10) (11)

CE Cat. III



EN 511



EN 388

EN 420



Gauntlet



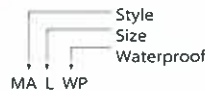
Mid-Arm



Wrist



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# Selection Guide

## Cryo-Gloves®

STYLE	MODEL				
	SIZE (US / EN)	SMALL / 8	MEDIUM / 9	LARGE / 10	X-LARGE / 11
Wrist	11 1/4" - 12 1/2" (290-320mm)	WRS	WRM	WRL	WRXL
Mid-Arm	13 1/2" - 15 1/4" (345-390mm)	MAS	MAM	MAL	MAXL
Elbow	17 1/4" - 19 1/4" (440-485mm)	EBS	EBM	EBL	EBXL
Shoulder	24 3/4" - 27" (625-685mm)	SHS	SHM	SHL	SHXL

## Cryo-Apron®

STYLE	MODEL				
	SIZE (US / EN)	36" / 91.4cm	42" / 106.7cm	48" / 121.9cm	54" / 137.2cm
Apron		CA36	CA42	CA48	CA54

## WATERPROOF Cryo-Gloves®

STYLE	MODEL				
	SIZE (US / EN)	SMALL / 8	MEDIUM / 9	LARGE / 10	X-LARGE / 11
Wrist	11 1/4" - 12 1/2" (290-320mm)	WRSWP	WRMWP	WRLWP	WRXLWP
Mid-Arm	13 1/2" - 15 1/4" (345-390mm)	MASWP	MAMWP	MALWP	MAXLWP
Elbow	17 1/4" - 19 1/4" (440-485mm)	EBSWP	EBMWP	EBLWP	EBXLWP
Shoulder	24 3/4" - 27" (625-685mm)	SHSWP	SHMWP	SHLWP	SHXLWP

## CRYO-INDUSTRIAL® GLOVES

STYLE	MODEL			
	SIZE (US / EN)	MEDIUM / 9	LARGE / 10	X-LARGE / 11
Wrist	11 1/2" - 12 3/4" (295-325mm)	CIWMWP	CIWLWP	CIWXWP
Mid-Arm	13 3/4" - 15 1/4" (350-390mm)	CIMMWP	CIMLWP	CIMXWP
Gauntlet	17 1/4" - 18 1/2" (440-470mm)	CIGMWP	CIGLWP	CIGXWP

## CRYO-INDUSTRIAL® APRON

STYLE	MODEL
	SIZE (US / EN)
Apron	CI-A42

## Selection and Usage

- Proper fit contributes to product performance—a tight fit leads to thermal loss.
- Select the appropriate glove length and apron length for the specific application.
- Select **WATERPROOF Cryo-Gloves®** when working with cryogenic liquids—glove fit should be loose enough to allow for quick removal if necessary.
- Select **CRYO-INDUSTRIAL® GLOVES** when gloves are used in contact with abrasive surfaces.
- Store gloves and aprons in a clean dry space.
- Periodically inspect the condition of your gloves and aprons—replace garments that show excessive wear.



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## SAFETY FIRST

**WEAR PROTECTIVE APPAREL  
WHEN RISK IS PRESENT**

**KEEP GLOVES AND APRONS  
READILY ACCESSIBLE**

Anyone handling cryogenic liquids should be familiar with the hazards presented by such materials and trained in how to handle them safely.

Emergency procedures should be established and rehearsed, proper training in the operation of all equipment provided and knowledge and appreciation of hazardous properties of the materials instilled.

Cryogenic liquids should never be handled without wearing proper protective apparel.

Recommended protective apparel for handling cryogenic liquids generally includes the following:

- Protective face shield or goggles
- Loose fitting gloves
- Protective apron without pockets
- Pants without cuffs
- Shoes without laces, or
- Spats covering shoes and area unprotected by apron

For more detailed information on safety precautions in specific settings please contact us at 800-680-2796.



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