



TEMP SHIELD®

CRYO-PROTECTION®





The TEMPSELD® Story

Tempshield® was established at a kitchen table in 1980. The founders' goal was to create a much-needed product that would protect the hands from dangerous burns that could be caused by liquid nitrogen and other cryogens. Their tireless dedication drove them to develop a superior glove, by testing and retesting different materials and features that would maximize cold and splash protection, as well as to ensure dexterity and durability. The exceptional quality of Tempshield's Cryo-Gloves® was well received, and the business grew quickly. Operations were moved from the founders' home to an ISO-approved facility outside of Bar Harbor, Maine, the gateway to Acadia National Park. In the years since then, aprons, face shields, and gaiters have been added, providing safety from head to toe.

The rigorous process of making the best cryogenic gloves begins with multiple inspections of the raw materials. This assures the elimination of imperfections that could allow cryogenic fluids to penetrate. After the fabric is cut by hand, the multiple layers are assembled by skilled craftspeople with an average of 15 years of experience. Finally, each glove is individually inspected, a hand-crafted masterpiece. The highest standard for materials and workmanship is central to Tempshield because our mission is to keep our customers safe.

Tempshield Cryo-Protection® products are certified by United States and international testing agencies to meet stringent governmental requirements for safe cryogenic handling. No other manufacturer subjects their gloves to such rigorous conditions, because our #1 concern is for your protection. Everything, from the careful selection of materials to the meticulous sewing and inspection, is done to allow for safe and comfortable use in hazardous environments at ultra-low temperatures.



Cryo-Protection® Products

Cryogenic Protection in
Ultra-Cold Environments

- 2 Gloves
- 2 Cryo-Gloves
- 4 Waterproof Cryo-Gloves
- 6 Waterproof Cryo-Grip Gloves
- 8 Aprons
- 9 Gaiters
- 17 Face Shields
- 18 Safety Kits
- 20 Safety Kits Plus

Cryo-LNG™ and Cryo-Industrial® Products

Protection When Working with
Liquid Nitrogen in Industrial Settings

- 10 Gloves
- 12 Aprons
- 13 Gaiters
- 22 Safety Kits
- 23 Safety Kits Plus

LOX Products

Protection from the Extreme
Hazards of Liquid Oxygen

- 14 Gloves
- 16 Aprons
- 16 Gaiters
- 22 Safety Kits
- 23 Safety Kits Plus



Cryo-Gloves®

Cryogenic Protection in Ultra-Cold Environments



A portion of our PINK Product Sales goes to cancer research and support services.



GLOVE LENGTH	WRIST	MID-ARM	ELBOW	SHOULDER
	11"-12¾" (280-325mm)	13"-15½" (330-395mm)	17"-19½" (435-495mm)	24½"-27¼" (620-695mm)
GLOVE SIZE				
Small/8	Blue ● WRS Pink ● P-WRS	Blue ● MAS Pink ● P-MAS	Blue ● EBS Pink ● P-EBS	Blue ● SHS Pink ● P-SHS
Medium/9	Blue ● WRM Pink ● P-WRM	Blue ● MAM Pink ● P-MAM	Blue ● EBM Pink ● P-EBM	Blue ● SHM Pink ● P-SHM
Large/10	Blue ● WRL Pink ● P-WRL	Blue ● MAL Pink ● P-MAL	Blue ● EBL Pink ● P-EBL	Blue ● SHL Pink ● P-SHL
X-Large/11	Blue ● WRXL Pink ● P-WRXL	Blue ● MAXL Pink ● P-MAXL	Blue ● EBXL Pink ● P-EBXL	Blue ● SHXL Pink ● P-SHXL
XX-Large/12	Blue ● WRXXL	Blue ● MAXXL	Blue ● EBXXL	Blue ● SHXXL

Features

- Cryogenic protection for ultra-cold applications down to -196°C (-320°F)
- State-of-the art materials and a multi-layered construction allow for a maximum level of thermal protection, flexibility, and dexterity which are essential features when function is important and safety is critical
- High performance, thermal inner lining wicks moisture away from wwwhands, maintaining comfort over extended periods
- Safety certified to meet EU standards: EN 511, EN 388, EN ISO 21420
- **Applications:** handling dry ice, low and ultra-low temperature freezers, closed cryogenic systems

CE Cat. III

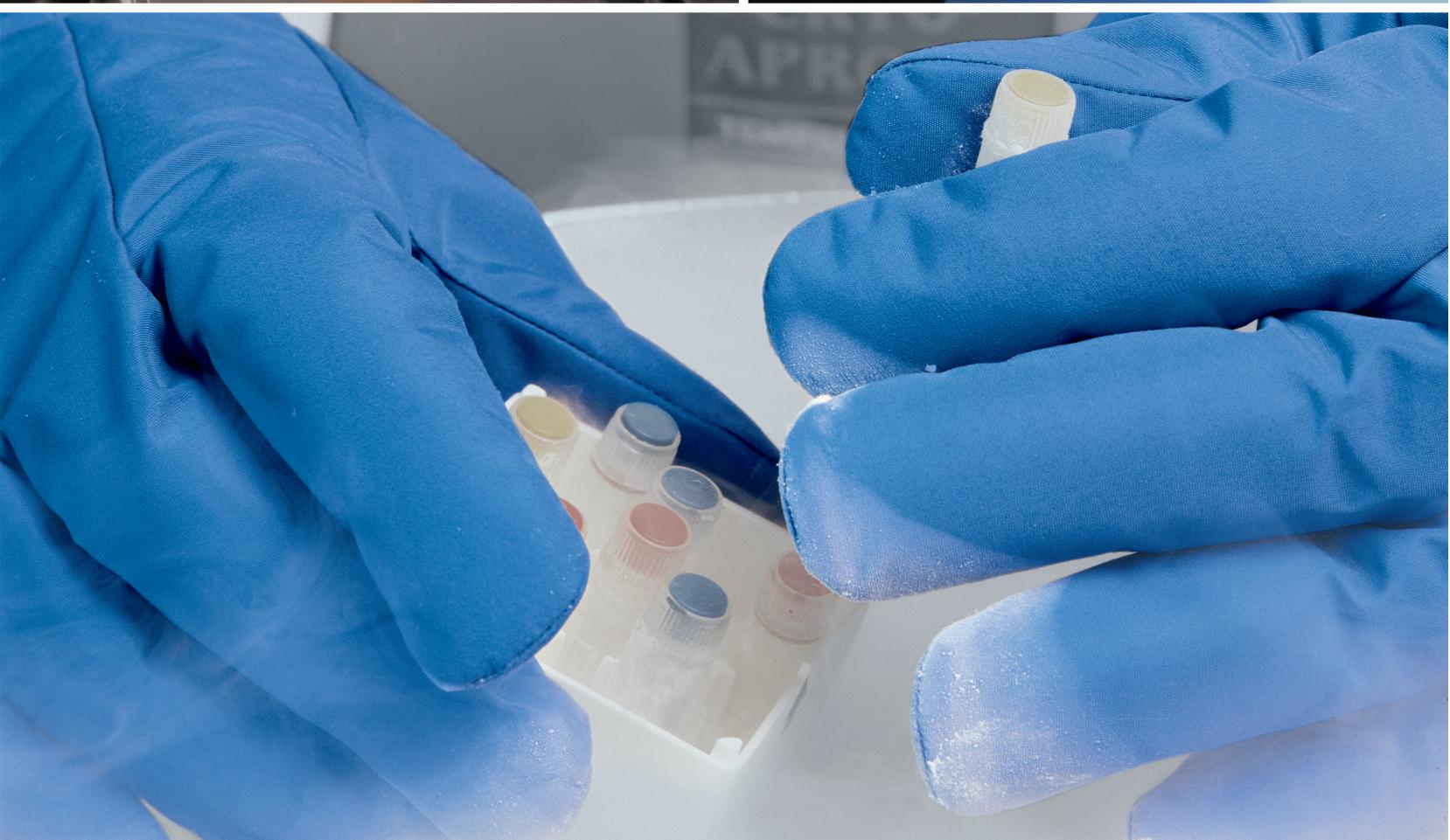
EN ISO
21420:2020

EN 511:
2006

EN 388:
2016 +
A1:2018

CAUTION Not for immersion in liquid cryogens





WATERPROOF Cryo-Gloves®

Hand Protection When Working with Liquid Nitrogen



A portion of our PINK Product Sales goes to cancer research and support services.



GLOVE LENGTH	WRIST	MID-ARM	ELBOW	SHOULDER
	11"-12¾" (280-325mm)	13"-15½" (330-395mm)	17"-19½" (435-495mm)	24½"-27¼" (620-695mm)
GLOVE SIZE				
Small/8	Blue ● WRSWP Pink ● P-WRSWP	Blue ● MASWP Pink ● P-MASWP	Blue ● EBSWP Pink ● P-EBSWP	Blue ● SHSWP Pink ● P-SHSWP
Medium/9	Blue ● WRMWP Pink ● P-WRMWP	Blue ● MAMWP Pink ● P-MAMWP	Blue ● EBMWP Pink ● P-EBMWP	Blue ● SHMWP Pink ● P-SHMWP
Large/10	Blue ● WRLWP Pink ● P-WRLWP	Blue ● MALWP Pink ● P-MALWP	Blue ● EBLWP Pink ● P-EBLWP	Blue ● SHLWP Pink ● P-SHLWP
X-Large/11	Blue ● WRXLWP Pink ● P-WRXLWP	Blue ● MAXLWP Pink ● P-MAXLWP	Blue ● EBXLWP Pink ● P-EBXLWP	Blue ● SHXLWP Pink ● P-SHXLWP
XX-Large/12	Blue ● WRXXLWP	Blue ● MAXXLWP	Blue ● EBXXLWP	Blue ● SHXXLWP

Features

- A thin, seamless 100% waterproof **GORE-TEX** liner provides protection from spills and splashes
- Gloves are designed to provide a high level of thermal protection when the exposure to cryogenic fluids might exist
- Cryogenic protection for ultra-cold applications down to -196°C (-320°F)
- State-of-the art materials and a multi-layered construction allow for a maximum level of thermal protection, flexibility, and dexterity which are essential features when function is important and safety is critical
- High performance, thermal inner lining wicks moisture away from hands, maintaining comfort over extended periods
- Safety certified to meet EU standards: EN 511, EN 388, EN ISO 21420
- **Applications:** dispensing/transferring cryogenic liquids, removing samples from cryogenic liquids, around any open cryogenic containers with the chance of exposure to liquids or splashes



CAUTION Not for immersion in liquid cryogens





Watch the
gloves in action!



WATERPROOF Cryo-Grip® Gloves

Superior Dexterity and Hand Protection
When Working with Liquid Nitrogen



A portion of our PINK Product Sales goes to cancer research and support services.



GLOVE LENGTH	WRIST	MID-ARM	ELBOW	SHOULDER
	11"-12¾" (280-325mm)	13"-15½" (330-395mm)	17"-19½" (435-495mm)	24½"-27¼" (620-695mm)
GLOVE SIZE				
Small/8	Blue ● CGWRSWP Pink ● P-CGWRSWP	Blue ● CGMASWP Pink ● P-CGMASWP	Blue ● CGEBSWP Pink ● P-CGEBSWP	Blue ● CGSHSWP
Medium/9	Blue ● CGWRMWP Pink ● P-CGWRMWP	Blue ● CGMAMWP Pink ● P-CGMAMWP	Blue ● CGEBMWP Pink ● P-CGEBMWP	Blue ● CGSHMWP
Large/10	Blue ● CGWRLWP Pink ● P-CGWRLWP	Blue ● CGMALWP Pink ● P-CGMALWP	Blue ● CGEBLWP Pink ● P-CGEBLWP	Blue ● CGSHLWP
X-Large/11	Blue ● CGWRXLWP Pink ● P-CGWRXLWP	Blue ● CGMAXLWP Pink ● P-CGMAXLWP	Blue ● CGEBXLWP Pink ● P-CGEBXLWP	Blue ● CGSHXLWP
XX-Large/12	Blue ● CGWRXXLWP	Blue ● CGMAXXLWP	Blue ● CGEBXXLWP	Blue ● CGSHXXLWP

Features

- Grip palm for improved dexterity handling small objects
- A thin, seamless 100% waterproof **GORE-TEX** liner provides protection from spills and splashes
- Gloves are designed to provide a high level of thermal protection when the exposure to cryogenic fluids might exist
- Cryogenic protection for ultra-cold applications down to -196°C (-320°F)
- State-of-the art materials and a multi-layered construction allow for a maximum level of thermal protection, flexibility, and dexterity which are essential features when function is important and safety is critical
- High performance, thermal inner lining wicks moisture away from hands, maintaining comfort over extended periods
- Safety certified to meet EU standards: EN 511, EN 388, EN ISO 21420
- **Applications:** handling of smaller objects or samples that have been stored or hardened in cryogenic liquids, dispensing/transferring cryogenic liquids, around any open cryogenic containers with the chance of exposure to liquids or splashes



CAUTION Not for immersion in liquid cryogens



Cryo-Apron®

Protection from Splashes and Contact Cold



Features

- Cryogenic protection for ultra-cold applications down to -196°C (-320°F)
- Made from state-of-the-art materials that are lightweight for comfort and ease of movement
- Multiple lengths available for maximum safety
- Adjustable straps at the neck and waist to ensure a proper fit
- Quick-release buckles at the neck and waist for swift on/off function
- Safety certified to meet EU standards: EN 511, EN 388, EN ISO 13688
- **Applications:** dispensing/transferring cryogenic liquids, handling of cryogenic samples into or removing from storage vessels



A portion of our PINK Product Sales goes to cancer research and support services.



APRON LENGTH	36" (91.4cm)	42" (106.7cm)	48" (121.9cm)	54" (137.2cm)
Apron	Blue ● CA36 Pink ● P-CA36	Blue ● CA42 Pink ● P-CA42	Blue ● CA48	Blue ● CA54

EN ISO 13688:
2013 +
A1:2021

Complies
with EU
2016/425

CE Cat. III



Cryo-Gaiters™

Protection from Splashes and Contact Cold



Features

- Cryogenic protection for ultra-cold applications down to -196°C (-320°F)
- Made from state-of-the-art materials that are lightweight for comfort and ease of movement
- Universal size to cover a wide range of shoe and boot types
- Adjustable Velcro® fasteners make the gaiters easy to put on
- Tab on the upper leg can be used for quick removal
- A formed fit over the toe cap ensures the gaiter stays securely in place
- Safety certified to meet EU standards: EN 511, EN 388, EN ISO 13688
- **Applications:** dispensing/transferring cryogenic liquids, handling of cryogenic samples into or removing from storage vessels



GAITER SIZING	HEIGHT	CIRCUMFERENCE
	16" (406mm)	13"-19" (330-483mm)
Gaiters	Blue	● CPGR

EN ISO 13688:
2013 +
A1:2021

Complies
with EU
2016/425

CE Cat. III



CAUTION Not for immersion in liquid cryogens



Cryo-LNG™ Gloves

Hand Protection When Working with Liquid Nitrogen
in Industrial Settings, including LNG servicing



GLOVE LENGTH	MID-ARM	ELBOW
13 3/4"-15 3/4" (350-400mm)		17 3/4"-19 3/4" (450-500mm)
GLOVE SIZE		
Medium/9	Brown ● CLMMWP Blue ● B-CLMMWP	Brown ● CLEMWP Blue ● B-CLEMWP
Large/10	Brown ● CLMLWP Blue ● B-CLMLWP	Brown ● CLELWP Blue ● B-CLELWP
X-Large/11	Brown ● CLMXWP Blue ● B-CLMXWP	Brown ● CLEXWP Blue ● B-CLEXWP
XX-Large/12	Brown ● CLMXXWP Blue ● B-CLMXXWP	Brown ● CLEXXWP Blue ● B-CLEXXWP

Features

- Abrasion resistant palm for provides extra protection for industrial applications
- A thin, seamless 100% waterproof **GORE-TEX** liner provides protection from spills and splashes
- Gloves are designed to provide a high level of thermal protection where the exposure to cryogenic fluids might exist
- Cryogenic protection for ultra-cold applications down to -196°C (-320°F)
- State-of-the art materials and a multi-layered construction allow for a maximum level of thermal protection, flexibility, and dexterity which are essential features when function is important and safety is critical
- High performance, thermal inner lining wicks moisture away from hands, maintaining comfort over extended periods
- Safety certified to meet EU standards: EN 511, EN 388, EN ISO 21420
- **Applications:** Delivering cryogenic gases, servicing cryogenic systems, working in mining, oil, gas, and LNG facilities

CE Cat. III



CAUTION Not for immersion in liquid cryogens



Cryo-Industrial® Apron

Protection from Splashes and Contact Cold
in Industrial Settings



Features

- Abrasion resistant
- Cryogenic protection for ultra-cold applications down to -196°C (-320°F)
- Made from state-of-the-art materials that are lightweight for comfort and ease of movement
- Multiple lengths available for maximum safety
- Adjustable straps at the neck and waist to ensure a proper fit
- Quick-release buckles at the neck and waist for swift on/off function
- Safety certified to meet EU standards: EN 511, EN 388, EN ISO 13688
- **Applications:** dispensing/transferring cryogenic liquids, handling of cryogenic samples into or removing from storage vessels



APRON LENGTH	36" (91.4cm)	42" (106.7cm)	48" (121.9cm)	54" (137.2cm)
Apron	Blue ● CI-A36	Blue ● CI-A42	Blue ● CI-A48	Blue ● CI-A54

EN ISO 13688:
2013 +
A1:2021

Complies
with EU
2016/425

CE Cat. III



Cryo-Industrial® Gaiters

Protection from Splashes and Contact Cold
in Industrial Settings



Features

- Abrasion resistant
- Cryogenic protection for ultra-cold applications down to -196°C (-320°F)
- Made from state-of-the-art materials that are lightweight for comfort and ease of movement
- Universal size to cover a wide range of shoe and boot types
- Adjustable Velcro® fasteners make the gaiters easy to put on
- Tab on the upper leg can be used for quick removal
- A formed fit over the toe cap ensures the gaiter stays securely in place
- Safety certified to meet EU standards: EN 511, EN 388, EN ISO 13688
- **Applications:** dispensing/transferring cryogenic liquids, handling of cryogenic samples into or removing from storage vessels



GAITER SIZING	HEIGHT	CIRCUMFERENCE
	16" (406mm)	13"-19" (330-483mm)
Gaiters	Blue	CPIGR

EN ISO 13688:
2013 +
A1:2021

Complies
with EU
2016/425

CE Cat. III



CAUTION Not for immersion in liquid cryogens





Protection from the Extreme Hazards of Liquid Oxygen



GLOVE LENGTH	MID-ARM	ELBOW
	13 $\frac{3}{4}$ "-15 $\frac{3}{4}$ " (350-400mm)	17 $\frac{3}{4}$ "-19 $\frac{3}{4}$ " (450-500mm)
GLOVE SIZE	MILITARY MODEL #	NSN #
Medium/9	LOXMILMAM	LOXMILM
Large/10	LOXMILMAL	LOXMILL
X-Large/11	LOXMILMAXL	LOXMILXL
XX-Large/12	LOXMILMAXXL	LOXMILEBXXL

Features

- Static dissipative
- Flame resistant
- Protection from liquid oxygen splashes
- Provides superior LOI (Limited Oxygen Index) results
- Waterproof **GORE-TEX** liner
- Comfortable, flexible and breathable
- **Applications:** Servicing operations involving liquid oxygen, handling cryogenic valves, supply cylinders and transfer hoses, filling and delivering cryogenic compressed gas cylinders
- **Industries:** Aerospace, Industrial cryogenic gas delivery and use, Bio-medical, Home health oxygen services, Laboratory

Standards Achieved:

- Static Charge Resistance NASA MMA-1985-79
- Cryogen Penetration Resistance ASTM F 903, Procedure D, 10 minutes, liquid nitrogen
- Limited Oxygen Index (LOI) ASTMD 2863
- Flame Resistance ASTMD 6413



CAUTION Not for immersion in liquid cryogens

LOX-Apron™ and LOX-Gaiters™



Splash and Contact Cold Protection from the Extreme Hazards of Liquid Oxygen

- Static dissipative
- Flame resistant
- Protection from liquid oxygen splashes
- Provides superior LOI (Limited Oxygen Index) results
- **Applications:** General operations involving liquid oxygen, handling cryogenic valves, supply cylinders and transfer hoses, filling and delivering cryogenic compressed gas cylinders
- **Industries:** Aerospace, Industrial cryogenic gas delivery and use, Bio-medical, Home health oxygen services, Laboratory

Apron Features

- Adjustable straps at the neck and waist ensure a proper fit
- Quick-release buckles at the neck and waist for swift on/off function
- Lightweight and comfortable

APRON LENGTH	42" (106.7cm)
Apron	LOXMIL42



Gaiters Features

- Universal size to cover a wide range of shoe and boot types
- Adjustable Velcro® fasteners make the gaiters easy to put on
- Tab on the upper leg can be used for quick removal
- A formed fit over the toe cap ensures the gaiter stays securely in place

GAITER SIZING	HEIGHT	CIRCUMFERENCE
Gaiters	16" (406 mm)	13"-19" (330-483 mm)



Cryo-Protection® Face Shield



Splash Protection When Using Cryogenic Liquids

- The injection molded polycarbonate clear shield is shaped to hug your chest and side of your face when in use, and pivots up and out of the way when your task is done
- The padded headgear has a ratchet band in the back and a pin-and-lock system over the top for a 2-way adjustable fit.
- A lightweight design meets ANSI Z87.1 requirements, is CE-Marked, and is impact resistant
- Rigorous testing has confirmed that the shield retains its optical clarity and impact resistance after being splashed with liquid cryogens
- The head gear also withstands cryogenic splashes

MEASUREMENTS	SHIELD LENGTH	SHIELD THICKNESS	HEAD GEAR
	9.5" (24.1 cm)	.06" (1.5mm)	Adjustable
Face Shield	FSH1001		
Face Shield - Window only	FSH1001WIN		
Face Shield - Headgear only	FSH1001HG		



CE Cat. II EN166 EN170

CAUTION Not for immersion in liquid cryogens

Cryo-Protection® Safety Kits

CRYO-PROTECTION® SAFETY KIT

Waterproof Cryo-Gloves® Mid-Arm or Elbow

Cryo-Apron® 42" (with Mid-Arm Gloves) or 48" (with Elbow Gloves)

Cryo-Protection® Face Shield



CRYO-PROTECTION® GRIP SAFETY KIT

Waterproof Cryo-Grip® Gloves Mid-Arm or Elbow

Cryo-Apron® 42" (with Mid-Arm Gloves) or 48" (with Elbow Gloves)

Cryo-Protection® Face Shield



Cryo-Protection® Safety Kits

The Tempshield Cryo-Protection® Safety Kit provides the essential PPE for those working with liquid cryogens. Each kit includes a pair of gloves, an apron and a face shield.



Cryo-Protection® Safety Kits

Contents: Mid-Arm WATERPROOF Cryo-Gloves® / 42" Cryo-Apron® / Cryo-Protection® Face Shield

MODEL	COLOR	GLOVE SIZE	GLOVES	APRON	FACE SHIELD
SKMASWP42	Blue ●	Small/8	MASWP	CA42	FSH1001
SKMAMWP42	Blue ●	Medium/9	MAMWP	CA42	FSH1001
SKMALWP42	Blue ●	Large/10	MALWP	CA42	FSH1001
SKMAXLWP42	Blue ●	X-Large/11	MAXLWP	CA42	FSH1001

Contents: Elbow WATERPROOF Cryo-Gloves® / 48" Cryo-Apron® / Cryo-Protection® Face Shield

MODEL	COLOR	GLOVE SIZE	GLOVES	APRON	FACE SHIELD
SKEBSWP48	Blue ●	Small/8	EBSWP	CA48	FSH1001
SKEBMWP48	Blue ●	Medium/9	EBMWP	CA48	FSH1001
SKEBLWP48	Blue ●	Large/10	EBLWP	CA48	FSH1001
SKEBXLWP48	Blue ●	X-Large/11	EBXLWP	CA48	FSH1001

Cryo-Protection® Grip Safety Kits

Contents: Mid-Arm WATERPROOF Cryo-Grip® Gloves / 42" Cryo-Apron® / Cryo-Protection® Face Shield

MODEL	COLOR	GLOVE SIZE	GLOVES	APRON	FACE SHIELD
SKCGMAS42	Blue ●	Small/8	CGMASWP	CA42	FSH1001
SKCGMAM42	Blue ●	Medium/9	CGMAMWP	CA42	FSH1001
SKCGMAL42	Blue ●	Large/10	CGMALWP	CA42	FSH1001
SKCGMAXL42	Blue ●	X-Large/11	CGMAXLWP	CA42	FSH1001

Contents: Elbow WATERPROOF Cryo-Grip® Gloves / 48" Cryo-Apron® / Cryo-Protection® Face Shield

MODEL		GLOVE SIZE	GLOVES	APRON	FACE SHIELD
SKCGEBS48	Blue ●	Small/8	CGEBSWP	CA48	FSH1001
SKCGEBM48	Blue ●	Medium/9	CGEBMWP	CA48	FSH1001
SKCGEBL48	Blue ●	Large/10	CGEBLWP	CA48	FSH1001
SKCGEBXL48	Blue ●	X-Large/11	CGEBXLWP	CA48	FSH1001

CAUTION Not for immersion in liquid cryogens

Cryo-Protection® Safety Kits Plus

CRYO-PROTECTION® SAFETY KIT PLUS

Waterproof Cryo-Gloves® Mid-Arm or Elbow

Cryo-Apron® 42"(with Mid-Arm Gloves) or 48"(with Elbow Gloves)

Cryo-Protection® Face Shield

Cryo-Gaiters™



CRYO-PROTECTION® GRIP SAFETY KIT PLUS

Waterproof Cryo-Grip® Gloves Mid-Arm or Elbow

Cryo-Apron® 42"(with Mid-Arm Gloves) or 48"(with Elbow Gloves)

Cryo-Protection® Face Shield

Cryo-Gaiters™



Cryo-Protection® Safety Kits Plus

Tempshield Cryo-Protection® Safety Kits Plus provide the essential PPE for those working with liquid cryogens, with the additional wprotection of gaiters.

Each kit includes a pair of gloves, an apron, a face shield, and a pair of gaiters.



Cryo-Protection® Safety Kit Plus

Contents: Mid-Arm WATERPROOF Cryo-Gloves® / 42" Cryo-Apron® / Cryo-Gaiters™ / Cryo-Protection® Face Shield

MODEL	COLOR	GLOVE SIZE	GLOVES	APRON	GAITERS	FACE SHIELD
SKMASWP42GR	Blue ●	Small/8	MASWP	CA42	CPGR	FSH1001
SKMAMWP42GR	Blue ●	Medium/9	MAMWP	CA42	CPGR	FSH1001
SKMALWP42GR	Blue ●	Large/10	MALWP	CA42	CPGR	FSH1001
SKMAXLWP42GR	Blue ●	X-Large/11	MAXLWP	CA42	CPGR	FSH1001

Contents: Elbow WATERPROOF Cryo-Gloves® / 48" Cryo-Apron® / Cryo-Gaiters™ / Cryo-Protection® Face Shield

MODEL	COLOR	GLOVE SIZE	GLOVES	APRON	GAITERS	FACE SHIELD
SKEBSWP48GR	Blue ●	Small/8	EBSWP	CA48	CPGR	FSH1001
SKEBMWP48GR	Blue ●	Medium/9	EBMWP	CA48	CPGR	FSH1001
SKEBLWP48GR	Blue ●	Large/10	EBLWP	CA48	CPGR	FSH1001
SKEBXLWP48GR	Blue ●	X-Large/11	EBXLWP	CA48	CPGR	FSH1001

Cryo-Protection® Grip Safety Kit Plus

Contents: Mid-Arm WATERPROOF Cryo-Grip® Gloves / 42" Cryo-Apron® / Cryo-Gaiters™ / Cryo-Protection® Face Shield

MODEL	COLOR	GLOVE SIZE	GLOVES	APRON	GAITERS	FACE SHIELD
SKCGMAS42GR	Blue ●	Small/8	CGMASWP	CA42	CPGR	FSH1001
SKCGMAM42GR	Blue ●	Medium/9	CGMAMWP	CA42	CPGR	FSH1001
SKCGMAL42GR	Blue ●	Large/10	CGMALWP	CA42	CPGR	FSH1001
SKCGMAXL42GR	Blue ●	X-Large/11	CGMAXLWP	CA42	CPGR	FSH1001

Contents: Elbow WATERPROOF Cryo-Grip® Gloves / 48" Cryo-Apron® / Cryo-Gaiters™ / Cryo-Protection® Face Shield

MODEL	COLOR	GLOVE SIZE	GLOVES	APRON	GAITERS	FACE SHIELD
SKCGEBS48GR	Blue ●	Small/8	CGEBSWP	CA48	CPGR	FSH1001
SKCGEBM48GR	Blue ●	Medium/9	CGEBMWP	CA48	CPGR	FSH1001
SKCGEBL48GR	Blue ●	Large/10	CGEBLWP	CA48	CPGR	FSH1001
SKCGEBXL48GR	Blue ●	X-Large/11	CGEBXLWP	CA48	CPGR	FSH1001

CAUTION Not for immersion in liquid cryogens

Cryo-Industrial® and LOX Safety Kits



CRYO-INDUSTRIAL® SAFETY KIT

Cryo-LNG™ Gloves Mid-Arm or Elbow
 Cryo-Industrial® Apron 42" (with Mid-Arm Gloves)
 or 48" (with Elbow Gloves)
 Cryo-Protection® Face Shield



LOX SAFETY KIT

LOX-Glove® Mid-Arm or Elbow
 LOX-Apron™ 42"
 Cryo-Protection® Face Shield

Cryo-Industrial® Safety Kit

Contents: Bue Mid-Arm Cryo-LNG™ Gloves / 42" Cryo-Industrial® Apron / Cryo-Protection® Face Shield
 or Blue Elbow Cryo-LNG™ Gloves / 48" Cryo-Industrial® Apron / Cryo-Protection® Face Shield

MODEL	COLOR	GLOVE SIZE	GLOVE LENGTH	GLOVES	APRON	FACE SHIELD
B-SKCLMMWP42	Blue ●	Medium/9	Mid-Arm	B-CLMMWP	CI-A42	FSH1001
B-SKCLMLWP42	Blue ●	Large/10	Mid-Arm	B-CLMLWP	CI-A42	FSH1001
B-SKCLMXWP42	Blue ●	X-Large/11	Mid-Arm	B-CLMXWP	CI-A42	FSH1001
B-SKCLEMWP48	Blue ●	Medium/9	Elbow	B-CLEMWP	CI-A48	FSH1001
B-SKCLELWP48	Blue ●	Large/10	Elbow	B-CLELWP	CI-A48	FSH1001
B-SKCLEXWP48	Blue ●	X-Large/11	Elbow	B-CLEXWP	CI-A48	FSH1001

LOX-Safety Kit

Contents: Mid-Arm or Elbow LOX-Glove® / 42" LOX-Apron™ / Cryo-Protection® Face Shield

MODEL	GLOVE SIZE	GLOVE LENGTH	GLOVES	APRON	FACE SHIELD
SKLOXMAM42	Medium/9	Mid-Arm	LOXMILMAM	LOXMIL42	FSH1001
SKLOXMAL42	Large/10	Mid-Arm	LOXMILMAL	LOXMIL42	FSH1001
SKLOXMAXL42	X-Large/11	Mid-Arm	LOXMILMAXL	LOXMIL42	FSH1001
SKLOXEBC42	Medium/9	Elbow	LOXMILEBM	LOXMIL42	FSH1001
SKLOXEBC42	Large/10	Elbow	LOXMILEBL	LOXMIL42	FSH1001
SKLOXEBCXL42	X-Large/11	Elbow	LOXMILEBXL	LOXMIL42	FSH1001

Cryo-Industrial® and LOX Safety Kits Plus



CRYO-INDUSTRIAL® SAFETY KIT PLUS

Cryo-LNG™ Gloves Mid-Arm or Elbow
 Cryo-Industrial® Apron 42" (with Mid-Arm Gloves)
 or 48" (with Elbow Gloves)
 Cryo-Industrial® Gaiters
 Cryo-Protection® Face Shield

LOX SAFETY KIT PLUS

LOX-Glove® Mid-Arm or Elbow
 LOX-Apron™ 42"
 LOX-Gaiters™
 Cryo-Protection® Face Shield

Cryo-Industrial® Safety Kit Plus

Contents: Blue Mid-Arm Cryo-LNG™ Gloves / 42" Cryo-Industrial® Apron / Cryo-Industrial® Gaiters / Cryo-Protection® Face Shield
 or Blue Elbow Cryo-LNG™ Gloves / 48" Cryo-Industrial® Apron / Cryo-Industrial® Gaiters / Cryo-Protection® Face Shield

MODEL	COLOR	GLOVE SIZE	GLOVE LENGTH	GLOVES	APRON	GAITERS	FACE SHIELD
B-SKCLMMWP42GR	Blue ●	Medium/9	Mid-Arm	B-CLMMWP	CI-A42	CPIGR	FSH1001
B-SKCLMLWP42GR	Blue ●	Large/10	Mid-Arm	B-CLMLWP	CI-A42	CPIGR	FSH1001
B-SKCLMXWP42GR	Blue ●	X-Large/11	Mid-Arm	B-CLMXWP	CI-A42	CPIGR	FSH1001
B-SKCLEMWP48GR	Blue ●	Medium/9	Elbow	B-CLEMWP	CI-A48	CPIGR	FSH1001
B-SKCLELWP48GR	Blue ●	Large/10	Elbow	B-CLELWP	CI-A48	CPIGR	FSH1001
B-SKCLEXWP48GR	Blue ●	X-Large/11	Elbow	B-CLEXWP	CI-A48	CPIGR	FSH1001

LOX-Safety Kit Plus

Contents: Mid-Arm or Elbow LOX-Glove® / 42" LOX-Apron™ / LOX-Gaiters™ / Cryo-Protection® Face Shield

MODEL	GLOVE SIZE	GLOVE LENGTH	GLOVES	APRON	GAITERS	FACE SHIELD
SKLOXMAM42GR	Medium/9	Mid-Arm	LOXMILMAM	LOXMIL42	LOXMILGR	FSH1001
SKLOXMAL42GR	Large/10	Mid-Arm	LOXMILMAL	LOXMIL42	LOXMILGR	FSH1001
SKLOXMAXL42GR	X-Large/11	Mid-Arm	LOXMILMAXL	LOXMIL42	LOXMILGR	FSH1001
SKLOXEBC42GR	Medium/9	Elbow	LOXMILEBM	LOXMIL42	LOXMILGR	FSH1001
SKLOXEBC42GR	Large/10	Elbow	LOXMILEBL	LOXMIL42	LOXMILGR	FSH1001
SKLOXEBC42GR	X-Large/11	Elbow	LOXMILEBL	LOXMIL42	LOXMILGR	FSH1001

CAUTION Not for immersion in liquid cryogens

Certified Safe

To ensure Tempshield's high standard for quality, we monitor production using our comprehensive ISO 9001: 2015 certified quality system, monitoring every phase of production from product development to distribution. Each item undergoes a rigorous series of inspections promising the best thermal protection available.

Nothing is more important to the people at Tempshield than your safety.

Tempshield specializes in the development and manufacturing of high-quality, cryogenic personal protective equipment and apparel. 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, aprons, gaiters and face shields are essential accessories for those working in hazardous environments at ultra-low temperatures. The leading medical, scientific, and aerospace firms worldwide rely upon Tempshield products to keep them safe.



EN 511



EN 388



EN ISO 21420
EN ISO 13688

- Convective cold
- Contact cold
- Water impermeability
- Extreme cold flexibility
- Abrasion resistance
- Blade cut (coupe test)
- Tear resistance
- Puncture resistance
- pH
- Innocuousness
- Dexterity



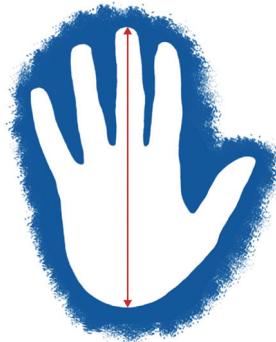
Warning

Anyone handling cryogenic liquids should be familiar with 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.

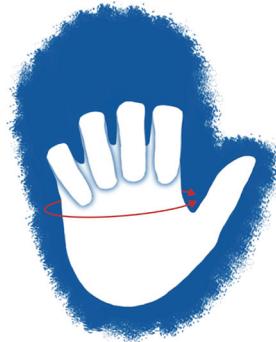
Glove Fitting Guide

- Choosing the correct glove fit is essential to your safety and comfort
- The glove must be loose enough to shake off your hand in one motion, in the event of saturation with cryogenic fluid
- Too tight a fit leads to thermal loss
- Tempshield's gloves are sized appropriately to take quick removal into account - order your true size
- If your length and width sizes do not match, order to your width size - the cuff will cover any additional length needed

Here's how to measure your hand:



For your hand length, measure from the fold of your wrist to the tip of your middle finger.



For your hand width, make a fist with your dominant hand and measure the circumference below your knuckles. Do not include your thumb.

TEMPSHIELD SIZE (US)	HAND LENGTH (in inches)	HAND WIDTH (In Inches)
S	6 $\frac{3}{4}$	7-8
M	7 $\frac{3}{16}$	8-9
L	7 $\frac{9}{16}$	9-10
XL	8 $\frac{1}{16}$	10-11
XXL	8 $\frac{1}{16}$	11-12

TEMPSHIELD SIZE (EU)	HAND LENGTH (in Millimeters)	HAND WIDTH (In Millimeters)
8	171	178-202
9	182	203-228
10	192	229-253
11	204	254-278
12	204	279-304



The Cure. It's in Your Hands.™

Proud to support
Cancer Research

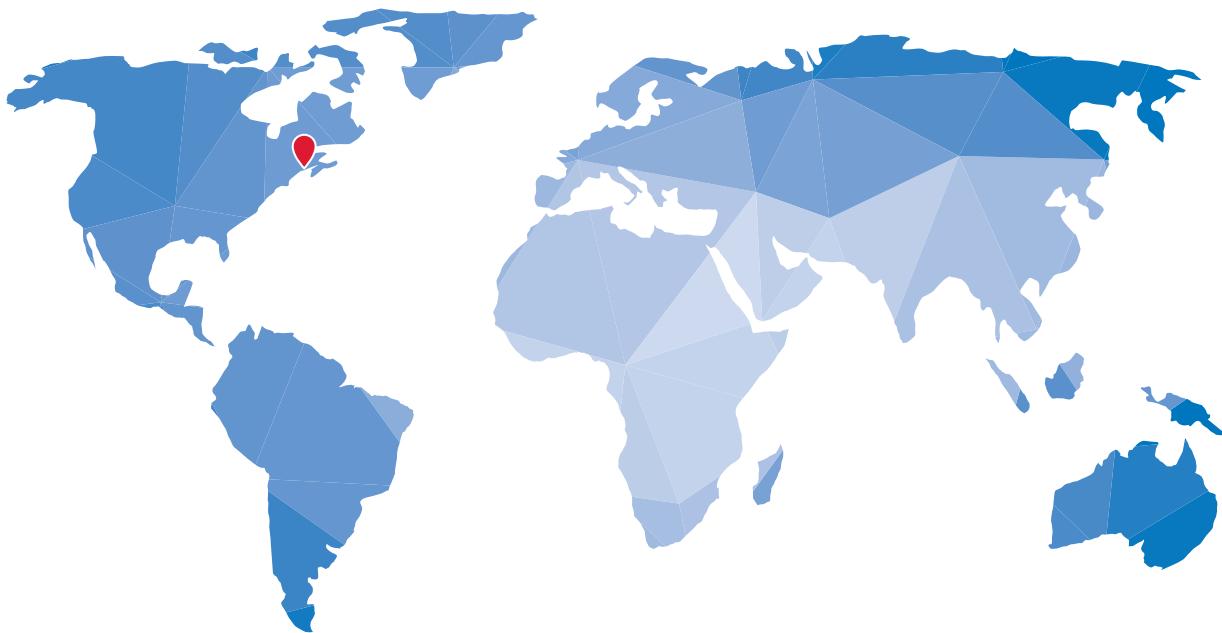


A portion of our PINK Product
Sales goes to cancer research
and support services.



Distributor Map of The World

Organizations worldwide rely on Tempshield quality to keep their people safe.



Australia	Denmark	Honduras	New Zealand	Sweden
Belgium	Dominican Republic	Hungary	Norway	Taiwan
Belize	Ecuador	India	Panama	Thailand
Bolivia	El Salvador	Indonesia	Peru	The Netherlands
Brazil	England	Ireland	Portugal	Trinidad W.I.
Canada	Finland	Israel	Russia	Turkey
Chile	France	Italy	Singapore	United Arab Emirates
China	Germany	Japan	South Africa	United States
Colombia	Greece	Malaysia	South Korea	Venezuela
Costa Rica	Guatemala	Mexico	Spain	Vietnam

Cryogenic Safety

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.

- Generally recommended protective apparel for handling cryogenic liquids include the following:
- Proper fitting gloves *
- Protective face shield and goggles
- Protective apron without pockets
- Protective gaiters
- Pants without cuffs
- Shoes without laces

***Proper Fitting Gloves** For maximum dexterity and safety, cryogenic gloves must fit properly. Although gloves should be loose enough to allow for quick removal if necessary, a glove that is too large impairs dexterity and function. A tight glove leads to thermal loss.



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