



COLD STORAGE HANDBOOK

SOLUTIONS, SUPPORT AND OUR COMPLETE COLD STORAGE LINE-UP




LIVIN' THE SUB-Z DREAM

In the never-ending winter known as your workday, cold-related illnesses, injuries and mishaps are as relentless as your alarm clock on a Monday morning. But with the right mix of planning, regular breaks to warm up and the proper gear, you'll be livin' the sub-z dream, baby.



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GO ONLINE FOR 
UP-TO-THE-NANOSECOND
UPDATES ON OUR
COLD STORAGE COLLECTION!

HEAD TO TOE. LOADING DOCK TO BLAST FREEZER. THIS WAY TO MICROCLIMATE MASTERY...



BIBS + COVERALLS



JACKETS



GLOVES



BASE LAYERS



HEATED VESTS



TRACTION



WARMING PACKS



HEADWEAR

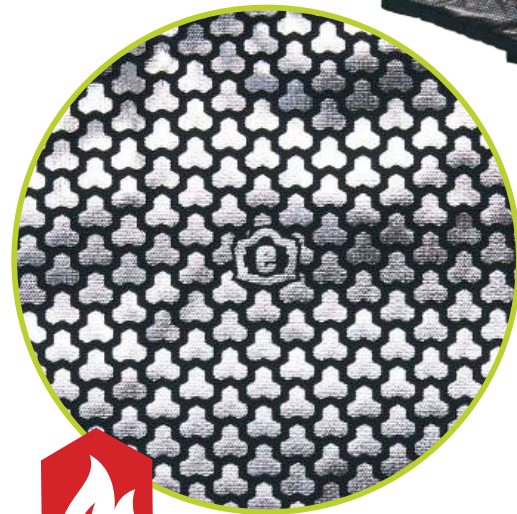


JACKETS

FIND THE SILVER LINING IN EVERY WORKDAY

with ampliFIRE™ Heat Reflective Technology

Not every day is a good day. But thanks to ampliFIRE™ heat reflective technology, every day is a warm day. Designed to amp up your body heat by capturing, reflecting and trapping what you create, it's the cozy silver lining in your coldest, cruelest shifts.



6464
AMPLIFIRE™ FREEZER JACKET
SIZING: XS-5XL

RATED TO
-60°F
(-51°C)

For up to 5 hours of moderate activity*

HOW DID WE GET THIS NUMBER?

GO TO PAGE 19 TO FIND OUT



6474
INSULATED COOLER JACKET
SIZING: XS-5XL

RATED TO
-10°F
(-23°C)

For up to 5 hours of moderate activity*



6476
INSULATED FREEZER JACKET
SIZING: XS-5XL

RATED TO
-50°F
(-46°C)

For up to 5 hours of moderate activity*



6478
HI-VIS INSULATED FREEZER JACKET, TYPE R CLASS 2
SIZING: XS-5XL

RATED TO
-50°F
(-46°C)

For up to 5 hours of moderate activity*



BIBS + COVERALLS

BE FREE!
DESIGNED FOR FULL
RANGE OF MOTION



THIN IS IN.
MORE WARMTH. 30% LESS BULK.

There's a common misconception that bulkier means better when it comes to staying toasty. But the 3M™ Thinsulate™ Insulation found in our Cold Storage Collection retains more warmth with 30% less bulk AND holds up to more laundry cycles than the generic polyfill used by leading competitors.

6475
INSULATED FREEZER
COVERALLS
SIZING: XS-5XL



RATED TO
-50°F
(-46°C)

For up to 5 hours of moderate activity*



6479
HI-VIS INSULATED FREEZER BIB
OVERALLS, CLASS E
SIZING: XS-5XL



RATED TO
-50°F
(-46°C)

For up to 5 hours of moderate activity*



RATED TO
-50°F
(-46°C)

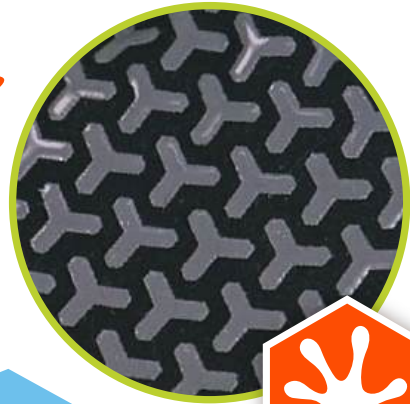
For up to 5 hours of moderate activity*

6477
INSULATED FREEZER
BIB OVERALLS
SIZING: XS-5XL



GLOVES

SILICONE PATTERNED PALM + FINGERS FOR SECURE GRIP



EN388
3X22 B



EN511
23X

RATED TO
-20°F
(-29°C)

850
INSULATED FREEZER GLOVES
SIZING: 2XS-3XL

For up to 1 hour of moderate activity*

★★★★★
"ABSOLUTELY LOVE THESE GLOVES"

"I work in food distribution as a selector in the freezer and spend a lot of time in below zero temps. The grip is great and the touchscreen works amazing with my gear. Highly recommend if you work in temps below zero and need finger dexterity."

- 850 Online Review



DOUBLE-LINED THERMAL PROTECTION



7521
THERMAL WATERPROOF IMPACT GLOVES
SIZING: XS-2XL



7402
THERMAL KNIT COOLER GLOVES
SIZING: XS-2XL



7501
THERMAL COATED WATERPROOF GLOVES
SIZING: S-2XL



7401
THERMAL COATED LIGHTWEIGHT WINTER GLOVES
SIZING: M-2XL

BALACLAVAS, HATS + GAITERS

Avoid cold bodies, cold brains, deteriorating performance and disoriented decision-making with thermal headwear. Designed to go beyond the core to protect skin and extremities most vulnerable to frostbite.

★★★★★
"MUST HAVE"

"Had to go out in some pretty cold days (-17°F)... keeps you warm but the best part is it keeps the wind off your neck."

- 6829 Online Review



6829
RIB KNIT 2-LAYER BALACLAVA
FACE MASK



6821
FLEECE BALACLAVA FACE MASK



6803
REFLECTIVE RIB KNIT WINTER HAT



6807
WINTER BASEBALL CAP
WITH EAR FLAPS



6821-ECO
RECYCLED FLEECE BALACLAVA
FACE MASK



6804
SKULL CAP WINTER HAT WITH LED
LIGHTS



6813
WINTER SKULL CAP HELMET LINER



6823
HINGED BALACLAVA FACE MASK



6806
CUFFED RIB KNIT WINTER HAT



6960
FLEECE NECK GAITER



6802
TRAPPER HAT



BASE LAYERS



6435
MIDWEIGHT BASE LAYER
LONG SLEEVE SHIRT
SIZING: M-3XL



“Worked perfectly...Kept me warm when I needed it to, and didn't make me sweat the way long johns do. Plus it looks cool as hell. This shirt is honestly one of my favorite pieces of clothing.”

- 6435 Online Review



6480
MIDWEIGHT BASE LAYER PANTS
SIZING: M-3XL



6436
LIGHTWEIGHT BASE LAYER
LONG SLEEVE SHIRT
SIZING: M-2XL



6481
LIGHTWEIGHT BASE LAYER PANTS
SIZING: M-3XL



6494
THERMAL FREEZER SOCKS
SIZING: S/M-L/XL

TAKE THAT, DAD.

Guess who's in control of the thermostat now?

For years, you lived under a strict household decree—no one touches the thermostat but Dad. Well well well... look who's in control now. With three levels of pushbutton heat and a low-profile fit that slides perfectly under your jacket, you get the adjustable warmth (and maybe emotional closure?) you need. So, go ahead. Crank it up. Feels good, doesn't it?



6495
RECHARGEABLE HEATED VEST W/ BATTERY
POWER BANK - 7.2V/5000MAH
SIZING: S-4XL



ADJUSTABLE
HEAT



UP TO 9 HOURS
OF RUN TIME



RECHARGEABLE
TAKES 4 HOURS TO
FULLY CHARGE

★★★★★
"EXCELLENT
HEATED VEST!!"

"Fits comfortable under winter jacket and gear. Features 3 heat settings ideal to adapt to different cold conditions. The snug fit helps to keep you warm. Overall great product!!"

- 6495 Online Review

TRACTION

MICHELIN TIRES FOR YOUR FEET? YUP. IT'S A THING.

Soup-up your outsoles with the same tire tech that keeps sports cars glued to the road.



6325
SPIKELESS TRACTION DEVICES -
WINTER CONDITIONS
SIZING: S-2XL



6326
SPIKELESS TRACTION DEVICES -
SLIP-RESISTANT & OIL-RESISTANT
SIZING: S-XL



MID-SOLE ICE CLEATS

Traction with a twist.

Rotate the studs to the top of boots to preserve floors AND backsides (spikes + hard flooring = slip hazard).

Headed back outside? Just flip to grip with 12 tundra-chomping tungsten carbide spikes.



6316
MID-SOLE ICE CLEATS -
FLAT SOLE



6317
MID-SOLE ICE CLEATS -
HEELED BOOT

TREAD DESIGN

"Block sipings" create additional tread surface area for increased grip on snowy surfaces.

PRESSURE DISTRIBUTION

Micro-pumps increase adhesion on icy surfaces.

GROOVE DESIGN

Strategically placed grooves allow for water evacuation when pressure is applied on wet surfaces.

TREAD PATTERN

Provides constant contact with slippery surfaces

SCULPTURE DESIGN

Provides adherence and adaptability on various ground conditions

WARMING PACKS



6990
HAND WARMING PACKS



6992
TOE WARMING PACKS



6995
FOOT WARMING PACKS



6994
ASSORTED WARMING PACK



6997
BODY WARMING PACKS

UNDERSTANDING THE **TEMPERATURE RATINGS** OF YOUR THERMAL GEAR

RATED TO
-°F
(-°C)

The truth is, temperature ratings are merely a performance guide, not gospel—the best direction available through exhaustive testing and consideration of **three major factors:**

Insulation (CLO Value) + Activity (MET Level) + Time (Duration)

1

INSULATION
CLO Value

Insulation performance is measured by CLO rating.

WHAT IS CLO VALUE?

Degree of insulation provided by an article of clothing. The higher the CLO, the warmer it is.

+

2

ACTIVITY
MET Level

When you're moving, you're creating heat.

WHAT IS MET LEVEL?

(M)etabolic (E)quivalent of (T)ask is the ratio of your working metabolic rate relative to your resting rate.

+

3

TIME
Duration

How long are you in the cold?

WHAT IS DURATION?

Continuous time spent in the cold.



**UNPACK
TEMPERATURE
RATINGS IN
THERMAL GEAR**



1

INSULATION LEVELS

Measured by CLO

The higher the CLO rating, the warmer the gear will keep you.
You've gotta factor in activity MET level + time duration, but let's start with CLO first.



Birthday Suit



Standard Down Jacket



850 Ergodyne Freezer Gloves



6474 Ergodyne Cooler Jacket



6475 Ergodyne Freezer Coveralls



6476 Ergodyne Freezer Jacket



6477 Ergodyne Freezer Bibs



6478 Ergodyne Hi-Vis Freezer Jacket



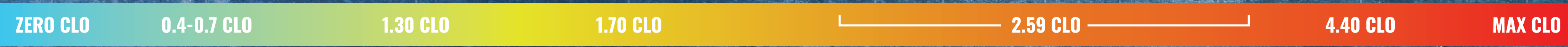
6479 Ergodyne Hi-Vis Freezer Bibs



6464 Ergodyne AmpliFIRE™ Freezer Jacket



Yeti



2

ACTIVITY LEVELS

Measured by MET (Metabolic Equivalent of Task)

When your body is working at a higher metabolic rate, it's creating a lot of heat that will affect your gear's thermal performance. Find the gear that best fits the job:



MANUAL FACILITY

Workers in a fully manual warehouse would fall into the 3-6 MET ("moderate") range.



This means an increase in thermal performance.



AUTOMATED FACILITY

Workers in a fully automated warehouse would fall into the 0-3 MET ("low") range.



This means a decrease in thermal performance.

MANUAL FACILITY

AUTOMATED FACILITY

N-Ferno® Freezer Gear



Comfort Rating at 3-6 MET

-50°F for 5 hours

N-Ferno® Freezer Gear



Comfort Rating at 0-3 MET

-10°F for 3 hours

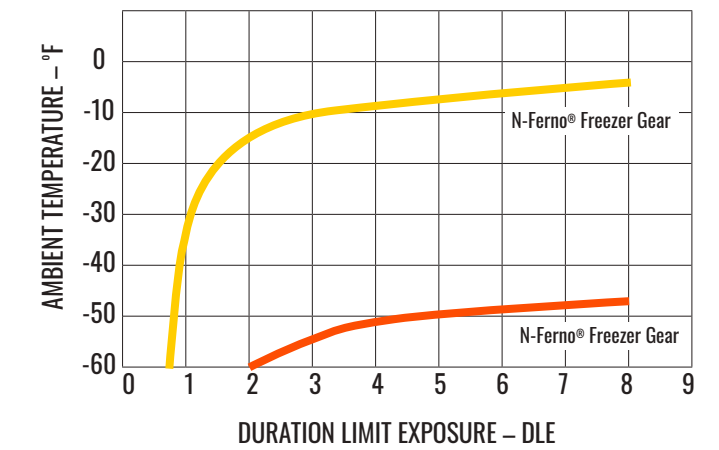


3

TIME DURATION

Thermal performance decreases over time

ACTIVITY LEVEL: MODERATE WORK ACTIVITY LEVEL: LIGHT WORK



BETTER LIVING THROUGH LAYERING

No single magic garment can adapt like a proper layering system.

BUILDING A COLD WEATHER LAYERING SYSTEM



BASE LAYERS

Starting with a moisture-wicking, quick-drying layer is key.



MID LAYERS

Traps body heat + allows workers to remove or add layers as needed.



OUTER LAYERS

Durable, breathable layer made to stand up to tough use and provide added warmth.



INTERGALACTIC HEADQUARTERS:

44° 58' 18.31" N 93° 09' 12.88" W ALT. 934 FT.
1021 BANDANA BOULEVARD EAST
SUITE 220 SAINT PAUL, MN, USA 55108

PHONE 651 642 9889 // 800 225 8238

ERGODYNE.COM

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COLD STORAGE SOLUTIONS:
BUILT FOR YOUR
NEVER-ENDING WINTER