



**COLD AVENGER®**

STAY OUT LONGER

FACE MASKS • BALACLAVAS • BASELAYERS

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# COLDAVENCER STAY OUT LONGER<sup>®</sup>

## ABOUT US

ColdAvenger, LLC, based in Western Montana since 2007, specializes in the design and manufacture of innovative cold weather products that help users thrive in the coldest environments in the world.

## EXPERTISE

- Cold weather headwear and bodywear design and manufacturing
- Flame resistant headwear and bodywear for industrial and military application
- Custom headwear design to fit with specialty items like helmets, respirator/gas masks, communications equipment etc.

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## The patented cold weather ventilator face mask



### VENTILATOR FEATURES



#### TEMPERATURE

Tested down to -72F, maintaining an average of +59F around the face.



#### HUMIDITY

Transformed outside air at +5F and 15% relative humidity to +68F and 89% relative humidity.



#### BREATHING

Imperceptible breathing resistance through both nose and mouth under heavy breathing.

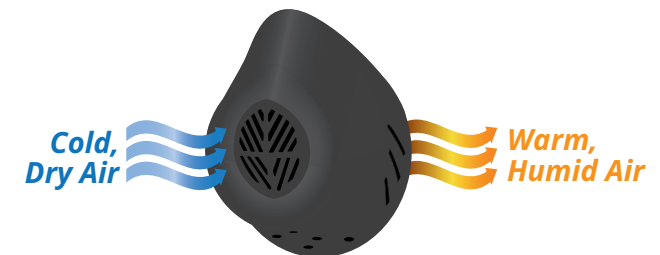
*Test results available upon request*

### THE VENTILATOR - HOW IT WORKS

The ColdAvenger ventilator is made of a soft plastic that forms a chamber over the nose and mouth. Incoming cold, dry air mixes with warm, humid exhaled air inside the chamber. This dynamic mixing warms and humidifies the air, protects the lungs and maintains core body temperature. Excess moisture exits the ventilator through a lower drain port.

### DESIGN BASED ON MEDICAL SCIENCE

Research on the prevention of cold-related injury shows that increasing respiratory warmth and moisture without increasing airway resistance helps counteract the adverse effects of cold, dry air. The ColdAvenger ventilator achieves this by creating a microclimate of comfort in front of the face with no resistance to breathing, even during endurance activities.



- Warms and humidifies inhaled air
- Keeps the face dry
- Allows unrestricted breathing
- Protects airways and core body temperature



### EXPEDITION BALACLAVA

The Expedition Balaclava is designed to protect against the coldest temperatures. This two-piece system provides premium protection: the balaclava hood covers the head and neck, and the detachable face mask covers the nose and mouth. The face mask has our patented ventilator that helps warm and humidify inhaled air. A hidden nose wire allows a custom fit.

**MATERIALS:**

Polartec® Wind Pro®  
Polartec® Wind Pro® FR

**SIZES:**

Small/Medium or Large/X-Large

**COLORS:**

Non-FR = Black, White, Coyote  
FR = Black, Navy



### OUTLAW

The Outlaw is shaped like a bandana and inspired by heroes and villains from the American wild west. The patented ventilator warms and humidifies inhaled air, while still allowing free breathing during exercise. A hidden nose wire allows for a customizable fit and improved comfort. The Polartec® Wind Pro® fleece is soft and stretchy, but also has a tightly knit exterior to resist wind and snow. Attaches behind the head with hook-and-loop.

**MATERIALS:**

Polartec® Wind Pro®  
Polartec® Wind Pro® FR

**SIZES:**

Small/Medium or Large/X-Large

**COLORS:**

Non-FR = Black, White, Coyote  
FR = Black, Navy





### CLASSIC FLEECE

The Classic Fleece mask provides warmth and comfort without the weight. Made with Polartec® 200-weight fleece, the fabric is soft, stretchy, and breathable. The patented ventilator allows free breathing while comfortably warming and humidifying inhaled air. A hidden nose wire allows for a customizable fit and improved comfort. The Classic Fleece is our lightest mask with the ColdAvenger ventilator, but it still packs a punch against the cold.

**MATERIALS:**

Polartec® 200-weight fleece

**SIZES:**

One Size Fits Most

**COLORS:**

Black



### PRO SOFTSHELL

The Pro Softshell mask blocks wind and snow, providing warmth in harsh winter conditions. The Polartec® Power Shield® fleece has a soft interior against the skin, and a softshell exterior that stops winter wind, rain and snow. The patented ventilator allows free breathing while comfortably warming and humidifying inhaled air. A hidden nose wire allows for a customizable fit and improved comfort. Our best wind stopping half-mask, the Pro Softshell mask will shield you against nature's most severe weather.

**MATERIALS:**

Polartec® Power Shield®

**SIZES:**

Once Size Fits Most

**COLORS:**

Black





### CORE BALACLAVA

The CORE Balaclava combines a traditional balaclava hood with a moveable face mask, providing full coverage as-needed. The face mask can be pulled up or worn down, but is fully connected at the sides of the head. The mask features a nose wire for customizable comfort and fogging prevention. The fabric is soft, stretchy and breathable with a tightly knit exterior that is resistant to wind and snow.

**MATERIALS:**

Polartec® Wind Pro®  
Polartec® Wind Pro® FR

**SIZES:**

Small/Medium or Large/X-Large

**COLORS:**

Non-FR = Black, White, Coyote  
FR = Black, Navy



### NECK GAITER

The neck gaiter is made for cold and extreme cold conditions. The Polartec® Wind Pro® fleece provides an easy, comfortable cold weather solution for the neck and face. The fabric is soft, stretchy and breathable with a tightly knit exterior that is resistant to wind and snow.

**MATERIALS:**

Polartec® Wind Pro®  
Polartec® Wind Pro® FR

**SIZES:**

Small/Medium, Large, Extra Large

**COLORS:**

Non-FR = Black, White, Coyote  
FR = Black, Navy





### FR HARD HAT LINER

The FR Hard Hat Liner/Hood is made with two-layers of warm fleece that block the wind and cold, and offers permanent flame resistant of Polartec® Wind Pro® FR. The Liner has a hook-and-loop neck opening for easy on/off. Two layers of fabric provide much needed warmth in the coldest conditions. The Liner can be worn alone, under a hard hat, or with a full-face respirator mask.

Accessories can be purchased with the FR Hard Hat Liner depending on need. For the most extreme cold conditions, we offer a FR Outlaw half-mask (see page 7) which can be worn over the liner, creating three layers of protection. For use with half-face respirators, we offer a front cover that attaches with hook-and-loop to ensure there is no exposed facial skin. Please contact us for more details.



**MATERIALS:**

Polartec® Wind Pro® FR

**SIZES:**

Small/Medium or Large/X-Large

**COLORS:**

FR = Dark Navy, Coyote, Black



### HIGHLINE OVERWHITES

The Highline Overwhite kit provides lightweight coverage in snowy and winter conditions. The jacket, pant, and pack cover are made with thin nylon fabric that is packable, water resistant, and helps block wind and snow.

The Overwhite jacket features a dual slide front zipper and an elastic drawstring at the bottom hem. Zippers under each arm allow for ventilation and access. The three-piece hood has a brim at the forehead and elastic drawstrings for custom fit. The hood can be stowed in a zippered pocket at the neck. The jacket can be packed into an inner pocket for storage.

The Overwhite pants feature an elastic waistband with adjustable hook-and-loop tighteners for custom fit at the waist. Dual slide zippers extend from hip to ankle on each leg. The heel and ankle are reinforced with double layers of fabric. Pockets with a zip closure are located on the front of both thighs. Snaps at the bottom hem allow for tightening at the ankle. The pack cover comes with an elastic hem for stretch and fit.

**MATERIALS:**

Brookwood® Patriot Lite®70D nylon

**SIZES:**

Jacket/Pant = Small/Medium, Medium/Large, X-Large/XX-Large  
Pack = Medium and X-Large

**COLORS:**

White - Alpine Multicam





### XCW UNION SUIT

The XCW Union Suit provides full coverage protection for extreme cold conditions. Made with lofty, soft and breathable fabric, the 4-way stretch provides for easy movement and shape retention. Moisture wicking and fast dry properties help you stay comfortable all day.

The front zipper opens from both the top and bottom for easy on/off and ventilation. The back of the Union Suit features a drop-seat at the waistband for easy access.



**MATERIALS:**

Polartec® Power Stretch®  
Polartec® Power Stretch® FR

**SIZES:**

Small, Medium, Large, Extra Large, XXL

**COLORS:**

Black and Gray

### XCW BASELAYERS

The XCW Baselayers are thicker than the competition and made for extreme cold weather conditions. The lofty fabric is ultra-soft, breathable, and the 4-way stretch provides for easy movement and shape retention. Moisture wicking and fast dry properties help you stay comfortable and warm all day.

The XCW Baselayer collection is designed to keep you warm in the coldest temperatures, provides flame resistant protection and will still allow you to stretch and flex with ease.

Men's and women's sizing and fit.



**MATERIALS:**

Polartec® Power Stretch®  
Polartec® Power Stretch® FR

**SIZES:**

Small, Medium, Large, Extra Large, XXL

**COLORS:**

Black and Gray





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