

msd

Mountain Sports Distribution

917 10th Ave N
Golden BC V0A1H2
250.344.5060



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Mountain Sports Distribution

www.mountainportsdistribution.com

WINTER 2010/2011

Mountain Sports Distribution proudly supplies Snowpulse, Mammut, and 509 products for keen winter recreationalists. Based in Golden, British Columbia, MSD is in the heart of the mountains, and is owned and operated by some very keen winter recreationalists.



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The Eliminator

artificial intelligence for your goggles.



Automated No-Fog Fan Technology

Haber's Eliminator is an automated fan designed to automatically de-fog your goggle. This self-contained, fully automatic, humidity control module converts most goggle brands into a fan goggle in minutes.

The Eliminator installs into the ventilation foam in the top of any standard goggle. The tiny fan has a selector switch that can be set to *on*, *auto*, or *off*. When the switch is set to automatic and humidity rises inside the goggle, a sensor activates the fan and the warm moist air is evacuated. When humidity returns to acceptable levels, the fan turns off automatically.

The Eliminator is removable and transferable, making it easy to switch from goggle to goggle.

The fan is powered by one AAA battery (included with purchase) and weighs less than 2 ounces. When mounted in a goggle, the Eliminator is quiet, unobtrusive, and does not interfere with vision. It runs when needed and powers down when not needed. It's artificial intelligence for goggles.



Snowpulse



Mammut



509

Terms

All dealers must fill out a dealer application and follow the terms and conditions in it. Payment terms: Net 30 or by credit card.

Insurance

Insurance is compulsory for all shipments from MSD. An agreement to waive insurance is available from MSD.

Shipping

All shipments to addresses in Canada are shipped from Golden, BC.

Authorized Dealer Policy

Due to the danger inherent in snowmobiling, backcountry skiing and snowboarding, and other outdoor pursuits, avalanche safety equipment should be sold only by retailers who properly educate their employees in the sales, service, and use of such products. Products distributed by MSD will be sold only through authorized dealers who provide such training.

Disclaimer

In no event will MSD be responsible for lost profits other indirect, incidental, or consequential damages of any sort.

Warranty Related Returns

No merchandise may be returned to MSD without a MSD issued RA# (return authorization number).

For a complete description of terms, please visit www.mountainsportsdistribution.com

to place an order

250.344.5060

Avalanche Airbag Backpacks

Snowpulse is a Swiss company committed to designing and building the best avalanche airbag backpacks possible. Snowpulse's patented trauma protection is revolutionizing the world of avalanche safety.

Odds of surviving an avalanche are greatly increased with the use of an airbag. The International Commission of Alpine Rescue (ICAR) determined in review of avalanche safety equipment that the avalanche airbag is the 'device of choice' and their statistics show that airbags reduce the rate of avalanche mortality from 38% to 1.3%!

Each Snowpulse pack comes with

- Snowpulse patented airbag system including 150 liter airbag and refillable cylinder.
- Locking system aluminum hip belt buckle.
- Hydration system compatibility
- Integrated leg loop

All pack designs are available in two sizes, Short and Long.

The Short frame size is best for anyone 5'9" and shorter, the Long is for people 5'10" and up.

SNOW pulse



Upgrades to the LifeBag Series



- bigger zippers and sturdier pulls



- glove-friendly clips



- wider, longer, lower profile shoulder straps

- comfortable, wicking, molded foam back

- easier access rip cord

- adjustable chest strap



- hip belt pockets on both sides

Upgrades to the Highmark



- many more pockets!

- compartmentalized inside front pocket

- adjustable shovel handle holder



SNOWPULSE

Snowpulse LifeBag 15L UPDATED

The most compact of the LifeBag line, this pack is ideal for quick trips into the backcountry, or anytime you won't need a lot of gear. Outside shovel storage makes the 15L of storage capacity useable for your lunch, extra layers, or other gear. Removable, convertible straps for carrying a board or skis make the pack adaptable to your needs.

- Weight including cylinder: Short 2.8 kg / Long 2.85 kg
- 2 large vertical compartments
- Internal probe sleeve, external shovel storage
- Convertible ski/snowboard carry straps
- Ice axe holder



Snowpulse LifeBag 30L UPDATED

This new version of the popular LifeBag 30 is the ideal size for most sledgers, ski tourers, and backcountry adventurers. Compression straps allow you to cinch the pack down to a lower profile when you don't need all 30 liters of space. Skis can be carried in an A frame or diagonally across the back, boards can be carried vertically or horizontally.

- Weight including cylinder: Short 2.9 kg / Long 2.95 kg
- 2 large vertical compartments
- Internal probe and shovel handle sleeve
- Convertible ski/snowboard carry straps
- Ice axe holder



Snowpulse LifeBag 45L UPDATED

The 45L is the perfect large pack for big missions. With 45 liters of internal storage capacity this is the largest in the Snowpulse line-up. There are two main vertical pockets; one for your probe and shovel, and one for the rest of your gear. Loads from the top or through a water resistant zipper along the side.

- Weight including cylinder: Short 3.2 kg / Long 3.25 kg
- 2 large vertical compartments
- Internal probe and shovel handle sleeve
- Convertible ski/snowboard carry straps
- 2 ice axe holders
- Top and side loading



Snowpulse Highmark UPDATED

The Highmark is a 30L pack designed specifically for sledgers. There are no ski or snowboard carrying straps, and the shovel access is on the outside of the pack, making it easy to access quickly and often.

- Weight including cylinder: Short 3.0 kg / Long 3.05 kg
- 2 large vertical compartments
- Interior probe / shovel handle sleeves
- External shovel handle loops
- External shovel blade pouch



Snowpulse ProRider 10L

The smallest pack in the Snowpulse line, the ProRider is designed for use by sledgers, heli-skiers, and anyone else looking for an avalanche airbag system without extra bulk. The pack is 10L and has a very simple, sleek design. The pack also has removable straps for carrying a board or skis.

- Weight including cylinder: Short 2.5 kg / Long 2.55 kg
- Convertible ski/snowboard carry straps
- Slim design won't interfere with ski lifts



Snowpulse ProRider 20L

A slightly beefed up version of the original ProRider 10L, this pack is ideal for most day trippers. Includes a front pocket with compartment sleeves for shovel handle and probe. The pack also has removable straps for carrying a board or skis.

- Weight including cylinder: Short 2.6 kg / Long 2.65 kg
- Convertible ski/snowboard carry straps
- Slim design won't interfere with ski lifts
- Compartmentalized front gear pocket



SNOWPULSE

Snowpulse Cylinder With Valve

Aluminum cylinder with all mechanical components and pressure gauge. Can be filled with dry compressed air at dive shops, paintball locations, fire halls, or with your own refilling station.

Weight: 550g
Diameter: 2 inches
Length with valve: 12.75 inches
Pressure: 3000 Psi
Temperature range: -30° to 50° C



O-Ring Kit

Everything you need to change the piston o-ring inside the Snowpulse cylinder. The piston o-ring must be changed after each time the airbag is deployed. Comes in packs of 10 or 20.

The kit contains:

- 10 or 20 O-rings
- O-ring change tool
- 10 or 20 sets of sticker seals
- 1 additional firing pin (2 in the pack of 20 o-rings)
- Packets of lubricant



SCBA L87G High Pressure Carbon Tank

This tank is TC and DOT approved for use in Canada and the US. The tank sits on its side, and is coated in carbon fiber, making it extra durable. Ships empty.

Pressure: 4500 Psi
Air capacity: 87 cubic feet
Length: 21.6 inches
Outside diameter: 6.9 inches
Empty weight: 11.6 pounds



Fill Regulator

The fill regulator allows you to fill a Snowpulse cylinder from a high pressure tank. It is equipped with a large gauge as well as a pressure relief valve.



Components of the Snowpulse Cylinder

- | | |
|-------------------|----------------------------|
| 1 Cylinder frame | 10 Pin for lever |
| 2 Gas cylinder | 11 Tightening ring |
| 3 Cylinder o-ring | 12 Connect cable |
| 4 Piston | 13 Quick connector |
| 5 Piston o-ring | 14 Piston quick disconnect |
| 6 Ring of piston | 15 Quick connector o-ring |
| 7 Piston support | 16 Filter |
| 8 Lever | 17 Diffuser |
| 9 Release pin | 18 Conduit |



Frequently Asked Questions

Why would a customer purchase a Snowpulse pack?

For ultimate safety in the mountains.

- An ergonomic, strong, high functioning backpack with an integrated 150 L airbag designed to keep you on the surface if caught in an avalanche.
- Trauma protection: Snowpulse is the only pack that can offer trauma protection during an avalanche. With nearly 30% of avalanche deaths attributed to trauma (and 90% of those trauma to the head and chest), protecting against blows to the head, neck, and thorax is key.
- Head on top technology: The patented airbag shape is designed to keep your head on the surface at the end of an avalanche. This is very important if your friends are unable to reach you immediately.
- Air filled cylinder: The Snowpulse pack uses a compressed air cylinder, making it cheap and easy to refill.
- Lightweight: The Snowpulse is a very lightweight airbag system.

Why should I sell Snowpulse packs in my store?

- Promote avalanche safety with your customers; keep them safe and keep them as clients.
- People want Snowpulse packs. Carry a product that is in demand.
- A high level of dealer support from MSD. We are committed to helping you sell the Snowpulse.

Do we have to deal exclusively with Snowpulse? Can we sell other types of avalanche airbags?

We do not require you to deal exclusively in Snowpulse. The more airbags on the market, the better.

How do I get authorization to become a dealer of Snowpulse?

You will first need to contact us for a dealer application. If accepted, you will need to prove your complete understanding of the operation and care of Snowpulse packs, and sign a contract. These packs are only able to save lives if used properly, and we want to ensure that everyone selling or buying a pack understands its use.

What is involved in becoming a refilling station? How might that benefit me?

Any dealer or backcountry operation can purchase an air tank and fill regulator to refill Snowpulse cylinders. As a dealer, providing this extra service to your customers is a great way to show customer support, and have them come to you for all their safety needs. It also gives you the ability to do demonstrations of how the airbags work at any time, which is great for promoting sales. You can also encourage your customers to practice with their newly purchased packs.

Refills are charged at \$30 on average. Tanks hold enough air for 10 to 12 refills and can be filled at most dive shops or fire departments for anywhere from \$10 to \$40.

As a backcountry operator, having the ability to refill cylinders in house can save you time and money, and ensure that your fleet of packs is always in operation.

What kind of sales support can I expect as a dealer of Snowpulse packs?

You can expect regular communications about the product, quick answers to your questions by phone or email, training materials for sales staff, and sales tools.

How do you ship compressed air tanks and cylinders?

Compressed air is considered dangerous goods in Canada and the US. We ship all refilling tanks empty. All Snowpulse packs are shipped with a full cylinder within Canada, and labeled as dangerous goods. There is a \$35 flat fee for shipping dangerous goods, which will be automatically included in your shipping charge.

How should I ship Snowpulse packs to my customers?

A Snowpulse pack with a full cylinder must be properly labeled and declared as dangerous goods. To do so, the shipper must have completed the proper training. Packs with an empty cylinder can be shipped however you'd like.

What is the warranty on Snowpulse backpacks?

Snowpulse provides a 3 year, 100 days of use, or 20 deployment warranty against manufacturer's defects.



SNOWPULSE

quality. technology. function.

Mammut has been working intensively on the topic of mountain safety for years with the intention of keeping the risks of mountain sports as low as possible. Mammut is a supporting sponsor of the Canadian Avalanche Centre.



MAMMUT

Mammut Pulse Barryvox Transceiver

This beacon makes finding one avalanche victim or multiple burials very efficient; 360° directional arrow leads you along the shortest path to victims, and the triple antenna eliminates the need for gridsearch pinpointing. The Pulse also has a motion sensor that detects vital signs and lets other Pulse users know you're still alive while buried. This is the only beacon offering both digital and analog operation. Ships with user manual, training CD, quick reference guide, emergency plan, and batteries.



Type: digital/analog combo device with three antennas
Range: 60m in Standard Mode, 90m in Analog Mode
Transmitting frequency: 457 kHz
W-Link Frequency: data communication at 868/915 Mhz
Battery Type: 3 x AAA - 1.5 volt
Battery Life: at least 200 hours
Weight: 7.4oz / 210g (including batteries)
Dimensions: 113mm x 75mm x 27mm
Warranty: 5 year Mammut warranty; worldwide service network

Reasons to upgrade an older beacon:

- 2.257 kHz. This old frequency was replaced by 457 kHz in the 1980s, and should no longer be in use.
- Dual Frequency. These beacons transmit and receive on both 457 and 2.257, but don't do either well.
- Earphones. If your beacon doesn't make audible noise without earphones, get rid of it.
- No visual display.
- Single antenna. Here's why you should upgrade to a triple antennae beacon:
 - Three antennae digital beacons generally won't find single antenna (analog) beacons as well as digital units, which means if two people are buried close together, the one with the digital beacon is likely to be isolated first.
 - In a multi-burial scenario, signal overlap can be a significantly bigger issue with old beacons in the equation. Modern digital beacons are slowed down by signals from single antenna beacons.
 - Old analog beacons send out fewer but longer signals, which means that in any given period of time there is less information available to process. This slows down a digital beacon. Consequently search speed slows down.
 - Modern three antenna beacons don't generate false maximums or complex deep burial problems (except for extreme cases where burial depth is greater than probe length).
 - Even in simple scenarios search times are faster with digital units.



Avalanche Probe Plus

A carefully designed and well-built 7 piece aluminum probe.

Length: extended: 280 cm / packed: 44 cm
Weight: 210g
- Dyneema cord for minimum weight
- Telescopic lock for quick and easy interlock
- Drop-shaped probe tip
- Suitable for use with gloves
- Special packaging with instructions and emergency plan



Alugator Light Shovel

Lightweight shovel made from tempered and anodized aluminum. The triangular-shaped shaft absorbs torsional forces and offers good grip.

Weight: 600g
Length: collapsed: 59 cm / extended: 79 cm
Dimensions: packed: 21.5 x 43 cm / blade area: 21.5 x 26 cm
- Tempered and anodized aluminum shovel blade
- Extra small packing volume / integrated shaft receptacle in blade
- Large excavating angle for efficient shoveling
- Ergonomic T-grip at the end of the shaft
- Stabilization ribs for maximum rigidity
- Shaft shape offers absorption of torsional forces
- Attachment holes for snow anchor



Alugator Expert Shovel

Teflon coated blade reduces friction and prevents icing. The robust and rigid design with integrated shaft receptacle in the blade makes this shovel an excellent piece of life-saving equipment.

Weight: 810g
Length: collapsed: 70.5 cm / extended: 92 cm
Dimensions: packed: 24.5 x 51 cm / blade area: 24.5 x 31 cm
- Extra small packing volume / integrated shaft receptacle
- Large excavating angle for efficient shoveling
- Stabilization ribs for maximum rigidity
- Shaft shape offers absorption of torsional forces
- Attachment holes for snow anchor
- D-grip for best control and ideal force absorption
- Hardened / Teflon coated aluminum shovel blade



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Lucido TR1 Headlamp

The four Definition LEDs with 20 meters lightrange and 60 hours operation time make the Lucido TR1 perfect for when you're on the go. The 72 gram case with emergency signal function is light and unobtrusive. Comes with 3 AAA batteries.

Color: black, grey, or white
Battery Life: max 60 hours
Light Range: max 20 meters
Weight: 38g / 72g (including batteries)



Lucido X-Zoom Headlamp

Powerful and precise. The zoom function focuses the divergence-angle of the light between 5° and 45°, allowing you to select the range and field-of-view to match the situation. Three brightness levels provide the best light at all times, with light-ranges between 120 meters and 10 meters. 3 AA batteries included.

Color: black
Battery Life: max 300 hours
Light Range: max 120 meters
Weight: 140 g / 195 g (including batteries)



Nirvana 35

Mammut's best snowsports pack. Large enough for everything you need on powder days.

Weight: 1.55 kg
Volume: 35 L

- Zippered back panel access to main compartment.
- Front pocket for avalanche safety equipment.
- Diagonal and lateral ski carrying system.
- External helmet holder.
- Ice axe and/or trekking pole straps.
- Hydration system compatible (tube cover in shoulder harness).
- Removable, padded hip belt with pocket.



Nirvana Ride 22

Multifunction wintersports pack loaded with features at an attractive price. Equipped with front avy safety equipment pocket and multiple ski and snowboard attachment systems. Very comfortable thanks to the jacket suspension system.

Weight: 980 g
Volume: 22L

- Front pocket for avy safety equipment.
- Diagonal and lateral ski attachments.
- Snowboard carrier.
- MP3 player pocket.
- Hydration system compatible.



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GOOGLES & HELMETS

Rider: Matt Petraitis



509... designed with sledders in mind.

509 has set out to bring a cutting edge snowmobile helmet into the market at an affordable price. The 509 Evolution Helmet and Sinister Goggle combo fit with perfect precision. Combining the goggle's oversized foam and large rubber nose mask with the helmet's wind guard, this set-up is designed to protect riders from the harsh wind and snow like never before.



The Aviator

These goggles feature a fighter pilot inspired design, and an oversized spherical, rimless, mirrored lens. The standard bronze lens has dual panes, anti fog coating, anti scratch, and is UV blocking. It also features 7 vent ports. The 509 Aviator is a high end goggle built with only the best materials and craftsmanship.

- * Large 2" strap with triple silicon grip lining.
- * Triple layer oversized, moisture wicking face foam.
- * Large removable nose mask.
- * Soft cleaning/storage pouch.
- * Helmet compatible.
- * Available in black or white.

509
509



carbon fibre
with chrome, polarized
brown, and polarized
smoke lens options



509 Sinister goggles were designed to be the first true snowmobile specific goggle. They feature:

- * A hinged strap mount
- * Removable nose mask
- * Triple layer oversized foam
- * Dual chrome lens
- * Silicone lined straps
- * 14 ventilation ports



These goggles come standard with a chrome lens that has a yellow tint, which is great for low light and definition. The chrome finish is not only stylish; it refracts bright sunlight away from the goggles.

The Sinister goggle is available in 11 styles, and with a host of lens options, including two polarized lenses.

Sinister



The Evolution Helmet

This graphically interesting helmet was designed with a sledder's style in mind. From the numerous snowmobile silhouettes to 509's famous sled evolution design, every element speaks specifically to sledders. And so do these usable and safety oriented features:

- * Weight: Starting at 1460 grams (3.22 lbs)
- * Materials: Crafted from durable polycarbonate
- * Safety: Meets or exceeds DOT, ECE 22/04, AS safety standards
- * Sizes: Available in XS-XXL
- * Warranty: 1 year manufacturers defect warranty
- * Ventilation: 10 ventilation ports (5 intake, 5 exhaust)
- * Snap Liner: Removable & washable snap-in liner
- * Wind Guard: Built in flexible rubber wind stopping face guard
- * Visor Screws: Tool-less adjustable visor screws