



**U.S. DARKWATER LLC**



**DRYSUIT DIVING SERVICES**  
**PUBLIC SAFETY, MILITARY AND COMMERCIAL**  
**DIVE SALES, SERVICE AND REPAIR**

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**2022 PRODUCT AND SERVICES CATALOG**

## **LEAK TESTING**

**OUR ONE-OF-A-KIND LEAK TESTING IS GUARANTEED TO FIND THE SMALLEST LEAKS ALLOWING US TO PINPOINT THE REPAIRS NECESSARY. OUR LEAK TESTING IS NOT DONE BY INFLATING YOUR SUIT AND SPRAYING IT WITH WATER. THIS TYPE OF TESTING IS FOR FIELD PRACTICE ONLY AND NOT SUFFICIENT IN A REPAIR FACILITY. ALL LEAK/PRESSURE TESTING IS PERFORMED IN A CUSTOM DESIGNED, STATE OF THE ART LEAK TANK, WHICH ALLOWS US TO PROVIDE OUR CUSTOMERS WITH A PRODUCT THEY CAN BE CONFIDENT IN WHILE DIVING IN HAZARDOUS SITUATIONS.**

## **ZIPPER REPLACEMENT:**

- **DRYSUIT ZIPPER**
- **SURFACE SUIT**
- **ICE RESCUE SUIT**
- **RELIEF ZIPPER**
- **WEAPONS BAGS**
- **DRYBAGS**

**PLEASE NOTE: WE WILL NOT INSTALL ANY PLASTIC ZIPPERS IN A DRYSUIT USED FOR PUBLIC SAFETY, MILITARY OR COMMERCIAL DIVING. PLASTIC ZIPPERS ARE INTENDED FOR RECREATIONAL USE OR SURFACE SUITS ONLY.**

## **HOOD REPLACEMENT:**

- **VIKING SURVEYOR LATEX HOOD**
- **SI-TECH LATEX HOOD**
- **VIKING SMOOTHSKIN NEOPRENE HOOD**
- **VIKING STRETCH MAGNUM RUBBER HOOD**
- **VIKING TURBO RUBBER HOOD**
- **VIKING HOOD LINER**

## **DRYSUIT NECK:**

- **VIKING SURVEYOR LATEX NECK SEAL**
- **SEAMTITE BELLOWS LATEX NECK SEAL**

## **MODULAR NECK SYSTEMS:**

- **SI-TECH QUICK NECK SYSTEM**
- **SI-TECH ORUST NECK SYSTEM**
- **SI-TECH NECKTITE**

**YOKES:**

- **VIKING DESCO YOKE**
- **VIKING SL17 YOKE WITH NECK SEAL**
- **VIKING SL17K/27/KM37/47/57/77/97 YOKE**
- **VIKING GORSKI YOKE**

**WRIST SEALS:**

- **SEAMTITE CONE STANDARD DUTY**
- **SEAMTITE CONE HEAVY DUTY**
- **SEAMTITE BOTTLE STANDARD DUTY**
- **SEAMTITE BOTTLE HEAVY DUTY**
- **SEAMTITE MANCHETTE (SHORT)**
- **SEAMTITE MANCHETTE (LONG)**
- **SEAMTITE MANCHETTE HEAVY DUTY**

**MODULAR WRIST SYSTEMS:**

- **VIKING STANDARD CUFF RING SYSTEM**
- **VIKING BAYONET SYSTEM**
- **SI-TECH QCS OVAL WRIST SYSTEM**
- **SI-TECH QUICK CUFF WRIST SYSTEM**

**DRY GLOVES**

- **VIKING GOOD GRIP LATEX GLOVES**
- **VIKING FIVE FINGER LATEX GLOVES**
- **SHOWA GLOVES**

**MODULAR GLOVE SYSTEMS:**

- **SI-TECH ANTARES**
- **SI-TECH GLOVE LOCK QCP**
- **SI-TECH QUICK GLOVE**
- **SI-TECH VIRGO**

## **BOOTS/SOCKS/ANKLE SEALS**

- **VIKING NEOPRENE/RUBBER BOOTS**
- **SEAMTITE LATEX FLAT SOCKS**
- **SEAMTITE LATEX 3D SOCKS**
- **SEAMTITE LATEX ANKLE SEALS**
- **NEOPRENE SOCKS**

## **INFLATOR VALVES**

- **VIKING APEX INFLATOR VALVES**
- **VIKING VLV CONTAMINATED H2 INFLATOR VALVE**
- **VIKING SI-TECH INFLATOR VALVE**
- **SI-TECH SKELETON**
- **SI-TECH SHELL**
- **SI-TECH SLIDE**
- **VIKING BLANKING PLUG**
- **SI-TECH BLANKING PLUG**

## **EXHAUST VALVES**

- **VIKING LOW PROFILE EXHAUST VALVE**
- **VIKING APEX LOW PROFILE**
- **VIKING DOUBLE EXHAUST X2 FOR CONTAMINATED WATER**
- **VIKING NON-MAGNETIC X2 FOR CONTAMINATED WATER**
- **SI-TECH ARGO**
- **SI-TECH THETIS**
- **SI-TECH GAUDE**
- **VIKING BLANKING PLUG**
- **SI-TECH BLANKING PLUG**

## **DUMP/INFLATION**

- **SI-TECH CUFF DUMP VALVE**
- **SI-TECH ON/OFF DUMP VALVE**
- **SI-TECH STRING DUMP VALVE**

- **SI-TECH LOW PROFILE VALVE**
- **SI-TECH ORAL INFLATOR WITH LOCKING FUNCTION**
- **SI-TECH TRIGON PEE VALVE**
- **VIKING/SI-TECH HOSES**

**OTHER INSTALLATION AND REPAIRS**

- **POCKETS**
- **LINER SNAPS**
- **SUSPENDERS**
- **GASKETS**
- **KNEEPADS**
- **SEAM SEALING**
- **REPAIR OF SEAMS, TEARS AND PUNCTURES**
- **RE-TAPING OF SEAMS**
- **RE-BUILDING OF VULCANIZED RUBBER**

**PLUS MUCH MORE.**

# VIKING PRO DRYSUITS

## VIKING® PRO Key Features:

- Vulcanized rubber material is easy to clean and repair
- Flexible and comfortable
- Available in 5 sizes:
  - Standard: Small to XXL
- Available in the Back Entry version only
- Reinforced rubber boots fitted with fin-strap holders



PLEASE NOTE:  
SUIT COLOR MAY VARY  
BY STOCK AVAILABILITY.

**Viking PRO 1050 g/m2 Vulcanized Rubber Drysuit  
with Latex Neck Seal**



PLEASE NOTE:  
SUIT COLOR MAY VARY  
BY STOCK AVAILABILITY.

**Viking PRO 1050 g/m2 Vulcanized Rubber Drysuit  
with Surveyor Hood**

# VIKING PRO-TECH DRYSUITS

## VIKING® PROTECH II Key Features:

- Slightly thicker material than the Viking PRO for more durability
- Flexible and Stretchable material for added comfort
- Available in 14 sizes:
  - Standard: Small to 3XL
  - Wide: Medium to 3XL
  - Double Wide: Medium to 3XL
- Available in Back-Entry only



**Viking Protech II 1250 g/m2 Vulcanized Rubber Drysuit with Latex Neck Seal**



**Viking Protech II 1250 g/m2 Vulcanized Rubber Drysuit with Surveyor Hood**

# VIKING HDS DRYSUITS

## VIKING® HDS Key Features:

- Highly resistant to aggressive chemicals including hydrocarbons
- Internal seams stitched and taped for security
- 5 times more abrasion resistant than the VIKING™ PRO material
- External seams vulcanized for peace of mind
- Easy to clean and repair
- Available in 19 sizes: Small to 3XL in Standard, Wide and Double Wide
- Rear entry



**Viking HDS Suit with Superlite  
27/17K/37/47/57/67/77 Yoke**



**Viking HDS Suit with Surveyor Latex Hood**



**Viking HDS Suit with Magnum Hood**



# VIKING HD HEAVY DUTY DRYSUITS

## VIKING® HD Key Features:

- Heavy duty material to withstand the harshest environments
- Vulcanized rubber material is easy to clean and repair
- Available in 8 sizes:
  - Standard: Small to 3XL
  - Wide: Medium to 3XL
- Gas & Water-Tight heavy duty chloroprene zipper across the shoulders
- Reinforced rubber boots
- Back Entry version only



**Viking HD 1550 g/m2 Vulcanized Rubber Drysuit with Latex Neck Seal**



**Viking HD 1550 g/m2 Vulcanized Rubber Drysuit with Surveyor Hood**



**Viking HD 1550 g/m2 Vulcanized Rubber Drysuit SL 27/17K/37/47/57/67/77 Yoke**



## **Viking UCC HD 1550 g/m2 Vulcanized Rubber Drysuit Safety Boots & Desco Yoke**

### **VIKING® UCC HD Features:**

- Heavy duty material to withstand the harshest environments
- Vulcanized rubber material is easy to clean and repair
- Available in 8 sizes:
  - Standard: Medium to 2XL
  - Wide: Medium to 2XL
- Gas & Water-Tight heavy duty chloroprene zipper across the shoulders
- Reinforced rubber boots
- Back Entry version only



## **Viking HD 1550 g/m2 Vulcanized Rubber Drysuit with Superlite 17A/17B Yoke**



## **Viking HD 1550 g/m2 Vulcanized Rubber Drysuit with Desco Yoke**

# VIKING HAZTECH DRYSUITS

## VIKING® Haztech Drysuit Key Features:

- Lightweight robust material 483 g/m2
- High frequency welded seams for maximum strength and safety
- Ideal for warm water / warm climate diving
- Suitable for cold water diving
- Easy clean exterior surface
- Suitable for contaminated water diving operations



**Viking Haztech Thermoplastic Polyurethane Drysuit  
with Latex Neck Seal**



**Viking Haztech Thermoplastic Polyurethane Drysuit  
with Latex Surveyor Hood**



**Viking Haztech Thermoplastic Polyurethane Drysuit  
SL 27/17K/37/47/57/67/77**

# FOURTH ELEMENT

## MILITARY/PROFESSIONAL DRYSUITS



### Argonaut 2.0 Stealth Hybrid

Using a combination of the Stealth fabric on the torso and arms of the suit, with Flex trilaminate lower body, the Stealth Hybrid suit gives excellent mobility, outstanding durability and the ultimate fit, thanks to the unique BIOMAP system and Argonaut 2.0 design.



### Argonaut 2.0 Stealth

Argonaut Stealth feels more like putting on your favorite jacket. Once on however, the unparalleled freedom of movement due to a combination of the fabric's performance with our unique pattern makes this our most versatile drysuit.



### Argonaut 2.0 Flex

A specially engineered durable Flex trilaminate material is used throughout, making the Argonaut Flex an extremely rugged suit. This fabric has already been specified for military use and features hardwearing fabrics laminated with a flexible butyl layer for the ideal balance of durability and comfort.



### **Argonaut 2.0 Hip Inflate** **HIP INFLATE WITH INDEPENDENT CYLINDER**

This drysuit is specifically developed for use with inflation located away from the chest to allow the use of specialised breathing equipment, such as chest mounted rebreathers. MOLLE panels allow the attachment of suit inflation cylinders, or other equipment to the thighs. Inflation valves are located below the waist.



### **Public Safety Drysuit**

The public safety drysuit is designed for working in extreme, often low visibility, environments. The cross-chest zip design speeds up donning and doffing. This lightweight yet extremely durable fabric allows excellent movement with minimal restrictions.



### **Amphibian Surface Drysuit**

Surface drysuit for professional and public safety services such as flood response. Minimalist style featuring chest pocket and concealed stowage on wrists for gloves.

# O.S. SYSTEMS DRYSUITS

## Telus Drysuit



Materials: Three ply Cordura® laminate, waterproof and breathable. Seams: Seams are double stitched for strength, and fusion sealed on the inside for water tightness. Design: Designed with Freedom Cut™ features for complete and unrestricted freedom of movement. Sidearm Panel gussets extend from the wrist all the way down the arm to the waist. The crotch gusset extends from one ankle through the crotch and all the way down to the opposite ankle. Telescoping torso: Extra length is incorporated into the torso to facilitate entry and fit. A crotch strap secures the fold. Suspenders: Suspenders streamline the fit and reduce drag. Entry: Front diagonal entry #8 brass tooth zipper for guaranteed water tightness. Zipper Covers: Neoprene padded Cordura zipper cover. Reinforcing: Cordura Butt Pad and Knee Pads. Color: Black. Seals: LongLife Latex® commercial grade rubber neck and wrist seals are thicker and more durable (minimum thickness is .030"). Made in the USA. Valves: SI TECH Low Profile Exhaust, Swivel Inlet and Low Pressure Hose. Footwear: Waterpr

## HDPRO (Front Entry Diving Drysuit Shell)



Color choices for top/Black pants. • Horizontal Front Entry, Cordura® Zipper Cover, and suspenders. • Cordura Butt/Extended Wraparound Knee Pads for protection, strength and improved slip control. • Crotch gusset/built in arm gusset. • Longlife Latex® commercial grade seals and POLAR-Boots. Seals and POLAR-Boots are easily replaced. See: <http://www.ossystems.com/maintenanceandrepair/repr.htm> • Bellows Pocket – Outside of leg • Equipped with the IDC automatic valve system (Swivel Inlet/Low Profile Exhaust), a Low Pressure Hose, and a Zipsease stick. • Made in the USA. • Sizes: XS-XXL, Shorts & Talls, SemiCustom & Custom Sizing • All Options available • Model shown w/Relief Zipper, Tuff Knees oof/breathable fabric so • Materials: Tough, military specification high tenacity, 210 denier High Count nylon, 210HC®. High Count nylon contains more threads woven into each square inch of fabric. The resulting fabric has a very tightly packed weave for extraordinary abrasion and puncture resistance, yet still light in weight. • Waterproof Coating: The 210HC nylon is triple coated with six ounces of polyurethane on the inside to protect it from the scratches and punctures that occur on the outside of the fabric. Two solution coats of polyurethane are impregnated deep into the fibers of the nylon. A high molecular density layer of polyurethane is then laminated to these solution coats, for total waterproofing and for internal abrasion resistance cks are standard.

## **IMPERIAL ICE RESCUER 1500 (IR1500 ICE RESCUE SUIT)**



The Imperial IR1500 is an ice rescue suit made of easy to repair, breathable shell fabric with cordura reinforced wear areas. The suit was designed with specific public safety agency input to provide a robust, user-repairable, easy-to-don, and affordable solution with all the features needed to get the job done in extremely cold environments.

## **MUSTANG SURFACE RESCUE SUITS**

**Mustang Survival Sentinel™ Series U.S. Navy Aviation Rescue Swimmer Dry Suit**



**Mustang Survival Sentinel™ Series Water Rescue Drysuit with Adjustable Neck - Fluorescent Yellow Green/Black**

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**Mustang Survival Sentinel Series Tactical Ops Dry Suit - Black**



**Mustang Survival Sentinel™ Series Tactical Operations Drysuit - Sepia**

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# O.S. SYSTEMS SURFACE DRYSUITS

OS SYSTEMS makes its own drysuits in Scappoose Oregon, USA. OS SYSTEMS offers three waterproof/breathable models, the full featured SPIRIT, the economy SPIRIT-EC, and the SPIRIT-KS (full featured with a spray skirt cover), in 19 standard sizes, plus full custom sizing. In addition, OS can individually design and make your drysuit with the features you choose.

SPIRIT (Full Featured)



SPIRIT-KS



SPIRIT (Economy)



SPIRIT Includes These Additional Features Fabric Socks: Waterproof/breathable fabric socks. Shin Guards: Neoprene padded Shin Guards inside the Knee Pads provide impact protection. Zipper Covers: The entry zipper has a neoprene padded Cordura zipper cover for extra protection. Overlays: Micro/neoprene Neck Wrap™ w/zipper, and Cordura/neoprene Wrist Wraps™/Ankle Wraps™ protect the neck seal, the wrist seals and the fabric socks. Models Shown: Includes optional #8 brass tooth entry zipper, men's style relief zipper, Small Bellows Pocket on the upper left arm, and Large Bellows Pocket on the outside of the right leg.

Features on all SPIRIT Drysuits: Material: MICRO™ fabric is a three ply laminate consisting of a micro denier, nylon base fabric, a waterproof/breathable microporous barrier membrane, and a tricot fabric inside layer. Seams: Seams are double stitched for strength, and fusion sealed on the inside for water tightness. Design: Designed with Freedom Cut™ features for complete and unrestricted freedom of movement. Sidearm Panel Gussets™ extend all the way from each elbow down the arm to the waist. The Crotch Gusset extends from one ankle through the crotch and all the way down to the opposite ankle for unparalleled fit, function and freedom of movement. Waist: Internal AC Waist™ (Adjustable Cord Waist™) streamlines the fit and reduces drag. Everything is internal to prevent potentially dangerous snagging. Suspenders: Internal installed suspenders improve fit and function. Colors: Top & Bottom -- Electric Blue, Garnet Red, Sunset Yellow, Fiesta Orange, Neon Limon, Charcoal Black, Pewter, Woodland Camouflage. Entry: Front diagonal entry TIZIP MasterSeal zipper for guaranteed water tightness. Reinforcing: Cordura® Butt Pad and Knee Pads for protection, strength and improved slip control. Seals: LongLife Latex™ commercial grade rubber neck, wrist, and sock seals are thicker and more durable. Footwear: The SPIRIT and SPIRIT-KS both come with waterproof/breathable fabric socks. The SPIRITEC and the K2-BEC come with latex socks.

CHOOSE OPTIONS & UPGRADES: Latex or Neoprene Neck Seals, Size of Neck/Wrist Seals and/or socks, Latex Neck Seal pretrimmed and/or prestretched, Bellows or MARSEC Pockets (S, M, or L), #8 Brass Tooth Entry zipper, Relief Zipper, Neck/Wrist/Ankle Wraps, Neoprene Shin Guards, Cordura Elbow Pads, SOLAS Reflective tape, Recoil Pad, Team Patch attached.

# O.S. SYSTEMS RESCUE SUITS

## DIVING DRYSUITS



**DSRT (FE) SARR DIVE FRONT ENTRY**



**DSRT SARR DIVE BACK ENTRY**

Colors: Top - Sea Rescue Orange; Pants – Black. • Horizontal Front Entry, Neoprene padded Cordura Zipper Cover, and suspenders. • Cordura® Butt/Extended Wraparound Knee Pads for protection, strength and improved slip control. • Crotch gusset/built in arm gusset. • Longlife Latex commercial grade rubber neck/wrist seals (min. thickness - .030") and POLAR-BOOTS. • Bellows Pocket. • Comes with IDC Automatic Exhaust Valve system, a Low Pressure Hose, and a Zipease stick. Model shown with SI TECH valve system option. • SOLAS reflective tape around wrists and down the forearms. • Team Patch attached at N/C. Provide with order. • Made in the USA. • Sizes: Standard, Shorts, Talls, Semi-custom, and full custom.

- Materials: Tough, military specification high tenacity, 210 denier High Count nylon, 210HC. High Count nylon contains more threads woven into each square inch of fabric. The resulting fabric has a very tightly packed weave for extraordinary abrasion and puncture resistance, yet still light in weight.
- Waterproof Coating: The 210HC nylon is triple coated with six ounces of polyurethane on the inside to protect it from the scratches and punctures that occur on the outside of the fabric. A high molecular density polyurethane laminate provides total waterproofing and internal abrasion resistance.

# O.S. SYSTEMS RESCUE SUITS

## BREATHABLE SURFACE WATER DRYSUITS

SPLB-SROB (Full Featured)



SPLB-SRBEC (Economy)



SPLB-SROB Includes These Additional Features \* Safety: Reflective Tape -- (2) 1" SOLAS horizontal strips just above the wrist. \* Elbows: Cordura Elbow Pads for extra protection. \* Fabric Socks: Choose size \* Shin Guards: Neoprene padded Shin Guards inside the Knee Pads provide impact protection. \* Zipper Covers: The entry zipper has a neoprene padded Cordura zipper cover for extra protection. \* Overlays: Cordura/neoprene Neck Wrap™ w/zipper, Wrist Wraps™, & Ankle Wraps™ protect the neck seal, the wrist seals and the fabric socks. \* Model Shown: Includes optional men's style relief zipper, Small Bellows Pocket on the upper left arm, and Large Bellows Pocket on the outside of the right leg.

CHOOSE OPTIONS & UPGRADES: Brass tooth zipper (entry and/or relief), Latex or Neoprene Neck and/or Wrist Seals, Size of Neck and/or Wrist Seals, Latex Neck Seal pretrimmed and/or prestretched, Bellows or MARSEC Pockets (S, M, or L), Men's style Relief Zipper, Neck/Wrist/Ankle Wraps, Neoprene Shin Guards, Cordura Elbow Pads, Reflective tape, SOLAS or Red/Orange, Recoil Pad, Team Patch attached.

Features on all Waterproof/Breathable SARR Surface Water Drysuits \* Material: MICRO™ fabric is a three ply laminate consisting of a micro denier, nylon/polyester base fabric, a waterproof/breathable microporous barrier membrane, and a tricot fabric inside layer. \* Seams: Seams are double stitched for strength, and fusion sealed on the inside for water tightness. \* Design: Designed with Freedom Cut™ features for complete and unrestricted freedom of movement. Sidearm Panel Gussets™ extend all the way from each elbow, down the arm to the waist. The Crotch Gusset extends from one ankle through the crotch and all the way down to the opposite ankle for unparalleled fit, function and freedom of movement. \* Entry: Front diagonal entry waterproof zipper for easy self entry and waterproof integrity. \* Waist: Internal AC Waist™ (Adjustable Cord Waist™) streamlines the fit and reduces drag. Everything is internal to prevent potentially dangerous snagging. \* Suspenders: Internal installed suspenders improve fit and function. \* Color: Fiesta Orange. \* Safety: Reflective Tape -- The SPLB-SRBEC has (1) 1" SOLAS horizontal strip just above the wrist. \* Reinforcing: Cordura® Butt Pad and Knee Pads for protection, strength and improved slip control. \* Seals: LongLife Latex™ Footwear: The SPLB-SROB comes with waterproof/breathable fabric socks. The SPLB-SRBEC comes with latex socks.

# **O.S. SYSTEMS RESCUE SUITS**

## **NON-BREATHABLE SURFACE WATER DRYSUITS**

**SPLB-SRO (Toughest)**



**SPLB-SREC (Economy)**



SPLB-SRO Includes These Additional Features \* Fabric: 210 denier High Count Nylon base fabric provides extraordinary strength to weight. Polyurethane coating provides waterproofing \* Color: All Sea Rescue Orange. \* Safety: Reflective Tape – (2) 1" SOLAS horizontal strips just above the wrists; \* Overlays: Cordura & neoprene Wrist Wraps & Ankle Wraps protect the wrist seals and the latex socks. \* Model: Shown with optional brass tooth zipper & red/orange reflective tape.

CHOOSE OPTIONS & UPGRADES: Brass tooth zipper (entry and/or relief), Latex or Neoprene Neck and/or Wrist Seals, Size of Neck, Wrist or Sock Seals, Latex Neck Seal pretrimmed and/or prestretched, Bellows or MARSEC Pockets (S, M, or L), Relief Zipper, Neck/Wrist/Ankle Wraps, Neoprene Shin Guards, Neoprene Padded Butt Pad, Elbow Pads, Reflective tape, SOLAS or Red/Orange, Recoil Pad, Team Patch attached.

Features on all Waterproof/Non- Breathable SARR Surface Water Drysuits \* Material on SPLB-SREC: 200 denier oxford with a polyurethane coating for waterproofing. \* Color for SPLB-SREC: Orange top / Black bottom. \* Seams: Seams are double stitched for strength, and fusion sealed on the inside for water tightness. \* Design: Designed with Freedom Cut™ features for complete and unrestricted freedom of movement. Sidearm Panel Gussets™ extend all the way from each elbow, down the arm to the waist. The Crotch Gusset extends from one ankle through the crotch and all the way down to the opposite ankle for unparalleled fit, function and freedom of movement. \* Waist: Internal BC Waist (Bungie Cord Waist) streamlines the fit and reduces drag. Everything is internal to prevent potentially dangerous snagging. \* Safety: Reflective Tape – The SPLB-SRO has (2) 1" SOLAS, and the SPLB-SREC has (1) 1" SOLAS horizontal strip(s) just above the wrists. \* Entry: Front diagonal entry waterproof zipper for guaranteed water tightness. \* Reinforcing: Cordura® Butt Pad and Knee Pads for protection, strength and improved slip control. \* Seals: LongLife Latex neck, wrist, and sock seals.

# DRYSUIT INSULATION



## Men's and Women's HALO A°R



Incorporating highly advanced thermal technology and one of the most insulating materials ever developed, the HALO A°R's performance exceeds expectations of any diving undersuit. Using technology originally created for space exploration and cryogenics, the HALO A°R features the extreme insulation material A°RGON™ aerogel in a compression resistant matrix. With phenomenal insulation properties, this material enables the HALO A°R to achieve extreme thermal protection from a thinner, less buoyant diving undersuit. With a wind and water-repellent stretch outer



layer, comfortable thumb loops and foot stirrups, this is a garment which can be worn in total comfort, all day. Building on fourth element's experience in thermal protection and bodymapping, the HALO A°R was assessed with thermal imaging cameras to improve and modify prototypes. The offset chest zip and baffles ensure that heat lost from the torso is minimised when in horizontal trim. All the body from shoulders to knees is protected by a layer of A°RGON™, while other critical areas also benefit from this enhanced insulation without compromising mobility or creating bulk. Routing a valve in this diving undersuit is as simple as adjusting the two-way zipper in the fly and a zippered pocket provides a secure place to store keys, credit cards and cash.

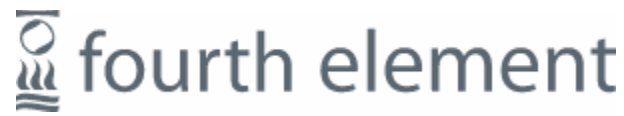
## Men's and Women's Halo 3D



Maximising thermal protection whilst minimising buoyancy, the Halo 3D has body-mapped insulation, strategically placed to enhance protection when in horizontal trim. Designed for use underneath membrane and trilaminate dry suits.

Convenient zipped sleeve pocket, full length, double headed zip with internal and external zip cover, thumb loops to aid donning, secure foot stirrups to prevent legs riding up, simple one piece design, machine washable and quick drying.

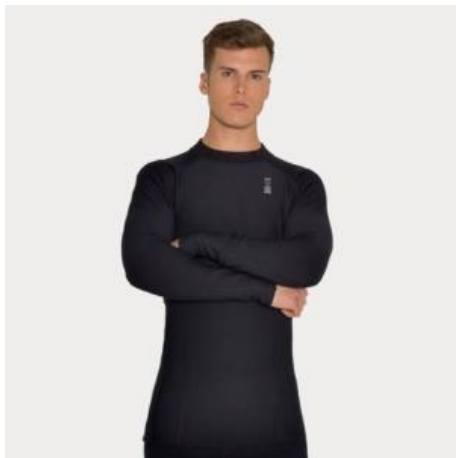




## Men's and Women's Xerotherm Long Sleeve Top and Leggings

The ultimate baselayer for use under a drysuit. Made using Polartec® Powerstretch® originally developed for NASA, the Xerotherm traps a layer of air - a much better insulator than water next to the skin, keeping the wearer drier and more comfortable. The range is designed to be worn under another undersuit or on its own under a neoprene drysuit. The knit of the Xerotherm fabric produces the fastest wicking effect of any of the products in the fourth element product range. Moisture is drawn out through the fabric along fine fibres and then spreads out over the outer surface. This maintains a thin layer of air next to the skin.

This is so effective in the Xerotherm that some wearers report experiencing minor suit leaks during the dive without even noticing until after the dive. The Xerotherm is specified by the FBI Dive Teams, Norwegian Navy and British Police Diving Units.





## Men's and Women's Arctic Top and Leggings

The Arctic's two layers of high insulation and low bulk fabric ensure exceptional levels of thermal protection.

Constructed with comfort and utility in mind, the minimalist design provides outstanding performance under closer-fitting neoprene drysuits. In a layering system, the Arctic is also suited for use underneath membrane and trilaminate suits.

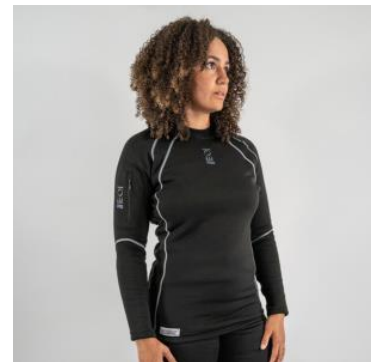
Using a combination of fastwicking, high insulation fabrics, the Arctic creates a micro-climate around the diver, keeping the body dry and warm. A high density inner fleece provides superior insulation, with maximum comfort and wicking, whilst the outer layer, which has a water-repellent finish, ensures a snug fit.

The Arctic requires less loft to perform due to more effective management of air which is held in the fibres of the suit. Instead of maximising the thickness of the layer of air near the skin, the Arctic minimises the movement of air within, reducing the rate of cooling without any risk of trapping the air and preventing its release from the dump valve.

The Arctic retains a significant degree of its thermal performance when wet, such that wearers have found it possible to complete dives in relative comfort after even the most fundamental drysuit failures.

In some cases, divers have not noticed a leak in a neck or wrist seal until after the dive, such is the performance of the fourth element Arctic.

Backed by years of field testing by the Norwegian Navy, the British Antarctic Survey Dive Team, the French Marines and the Danish Navy, the Arctic was designed using high technology fabrics and has been tested in real diving conditions from the Arctic to the Antarctic.





## Arctic One Piece Suit



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Using a combination of fastwicking, high insulation fabrics, the Arctic creates a micro-climate around the diver, keeping the body dry and warm. A high density inner fleece provides superior insulation, with maximum comfort and wicking, whilst the outer layer, which has a water-repellent finish, ensures a snug fit.

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The Arctic retains a significant degree of its thermal performance when wet, such that wearers have found it possible to complete dives in relative comfort after even the most fundamental drysuit failures. In some cases, divers have not noticed a leak in a neck or wrist seal until after the dive, such is the performance of the fourth element Arctic.

## Arctic Expedition One Piece Suit



The Arctic Expedition brings our knowledge of performance fabrics and body-mapped design together to create a new undersuit in our expedition series.

Enhanced insulation is provided in key exposure areas by extra layers of high-density fleece and water-resistant, windproof panels.

The outer fabric is protected with a ceramic print to minimise any effect of abrasion from the inside of the drysuits, and water-resistant fabric provides further protection to the knees and seat: invaluable when getting ready on a wet dive deck. Unique thumb loops prevent the sleeves riding up when donning the drysuit, but retract to prevent them being caught in the wrist seals.

A zipped hip pocket is positioned for ease of access whilst wearing a cross zip drysuit, without needing to remove the suit and is ideal for carrying a key. Handwarmer pockets on the leggings provide additional comfort. Pre-drilled for p-valves.





**Arctic Socks**



**Xerothem  
Wrist Warmer**



**Xerothem Gloves**



**Xerothem Socks**



**Xerothem Beanie Hat**



**Arctic Hat**



**POLARTEC® POWERSTRETCH® FLEECE (4-WAY STRETCH):**



Single Layer Jumpsuit With Dropseat



Double Layer Jumpsuit, No Dropseat



Single Layer Long Sleeve Top



Double Layer Long Sleeve Top



Single Layer Vest



Double Layer Vest

## Mustang Survival Sentinel™ Series Dry Suit Liner - Black

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### Features:

- Polartec® Power Stretch 4-way stretch with a durable, smooth outer layer that is wind and abrasion resistant, and a soft inner layer that pulls moisture away from the skin
- Less bulky fit as a result of stretch fleece integration in lower back, arms and legs
- Compatible with the Sentinel™ Series of lightweight and heavy duty dry suits
- Full-length fitted legs and sleeves with stretch panels
- Provides warmth while being light weight, highly breathable, quick drying and durable
- Vertical front entry zipper with dual sliders for quick donning and relief
- Fitting straps at the thumbs and ankles
- Dry suit liner's lower back, arms and legs Polartec® Power Stretch fleece
- Machine washable

## Mustang Survival Classic Flotation Adjustable Bib Pant – Black

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### Features:

- Easily worn under Mustang Survival flotation jackets and coats
- Adjustable elasticized suspenders
- Leg zippers allow ease of entry and donning over boots
- Provides additional hypothermia protection and flotation support

## Viking XT-250 Artic 2-Piece Base Layer Undergarment and Viking XT-500 Arctic 3-Piece Base Layer Undergarment

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### Features:

- Even when wet, the VIKING™ XT250 retains a significant degree of its thermal performance, so that the diver can continue his dive in relative comfort.
- Provides astonishing warmth without contributing to bulk or buoyancy
- Keep divers warm and comfortable in waters down to around 40° F.
- Flat seams for next to skin comfort
- Top includes thumb loops
- Leggings have a high waistband
- Uniquely designed foot pockets
- 3-Piece set includes boots

# OCEAN TECHNOLOGY SYSTEMS FULL FACE MASKS

## OTS GUARDIAN FFM



Designed to meet the demanding needs of today's Commercial/Professional Diver, it leverages the best features found on other FFMs with unique features designed by OTS. Mask colors: Black Black (shown), Black Blue, Black Pink, Black Red, Black Yellow, Blue Black

## OTS SPECTRUM FFM



The Spectrum Full Face Mask provides a simple method to adapt your own regulator to the mask by eliminating the bite down mouthpiece (US Only) and tying your own reg in with the rest of the FFM. Mask colors: Black/Clear, Black/Coated (shown), Blue/Clear and Blue/Coated.

# **INTERSPIRO DIVATOR MKII AGA FULL FACE MASK**

## INTERSPIRO DIVATOR MKII AGA FFM



The Interspiro line of diving Full-Face Masks (FFMs) are high quality masks and have been field proven by Government, Military, and Commercial & Public Safety Teams around the world. The FFMs are primarily used with SCUBA, but are often utilized with surface supplied gas as well as rebreathers. Available in Positive Pressure or Non-Positive Pressure. Mask colors: Black, Gold (shown), Black Natural Rubber and Grey Natural Rubber

# **OCEAN REEF NEPTUNE SPACE G DIVER FULL FACE MASK**



## OCEAN REEF NEPTUNE SPACE G. DIVERS MASK

The OCEAN REEF Neptune Series provides a revolutionary take on the full face mask. They offer great visual fields, superior comfort, reliability, exceptional safety, durability, AND they are easy to use! Whether you are a professional or commercial diver, or just a person who feels like picking up the sport of scuba diving; the OCEAN REEF Neptune Series has a mask tailored just for you! Mask colors: White or cobalt.

# POSEIDON ATMOSPHERE



## **Poseidon Atmosphere**

The perfectly fitting Atmosphere protects your face from the cold. Install communication equipment to talk with your buddy during dives. As an over pressure mask it also allows you to dive contaminated water without exposing your face. For optimum performance, it should be connected to an Xstream 1st stage.

- Highly effective defogging system
- Antidistortion visor
- Prepared for communication system

# POSEIDON REGULATORS



## DEEP MK3

The Deep Mk3 in the classic Poseidon black and yellow. Suitable for air, nitrox 50% and trimix. Certified down to 200 m / 656 ft



## OCTO

The Octo has the same characteristics as the Deep Mk3, but in bright yellow.



## DURATION

The Duration is the Xstream regulator suitable for use with pure oxygen. Easily recognizable by its green color.



## BLACK

The Black edition keeps it clean and professional. XStream is the preferred regulator by the US Navy, US Coastguard and NYPD.

### **XSTREAM RANGE**

A patented ruby ball seal is automatically positioned by the floating seat which balances any upstream pressure equally with the pressure adjustment spring. This makes the Xstream Range self-balancing, giving the same high performance, irrespective of the pressure in the cylinder. Added to this the range has a built in anti freeze protection in its construction. The TDA ensures that the through-flowing water keeps the ice away, entirely without fluids or extra diaphragms.



### **XSTREAM BLACK**

The Poseidon Xstream Black has turned the best functioning regulator on the market into the best looking one as well. This self-balancing and utterly dependable regulator will have you respiring restfully and appearing downright awesome.



### **CYKLON X**

Robust, high performing, easy to use and cold water ready. The Cyklon just works. Now updated to X with the Xstream first stage and you have a regulator that will last a lifetime.



### **Jetstream**

Controlling the power of a massive air flow, astonishingly reaching some 2100 litres/minute is an engineering challenge. The solution to this was to obtain a precision regulation, keeping breathing pressure to within +/- 5 mm.w.c throughout the inhalation cycle, regardless of depth and demand. Called a servo-assisted valve, it works in the same way as does the power steering you may have on your car – it's all about compensation.





# WINGS/BCDS



## **OxyCheq Single Mach V Wing (18#, 30#, 40#)**

The MACH V Single Wings are 360 loop wings built to last and have extremely low profile producing less drag in the water resulting in less diver fatigue and better air consumption. The Mach V has integrated role control devices eliminating the need for a single tank adaptor with an OxyCheq backplate.. Inflator hose elbow is off center so it will not interfere with the first stage regulator. Easy access to bladder via a 360 degree zipper. Colors available: Red, Orange, Yellow, Lime Green, Blue



## **OxyCheq Environmental Mach V Wing (30# or 40#)**

This is the same wing as the popular Mach V wing but with a chemically resistant outer shell. It is designed for safety and commercial divers that often have to dive in less desirable waters. Clean up time for the wing is exceptionally fast in comparison to wings with shells made of Cordura.



## **OxyCheq 42# and 55# Vertex Extreme Single Bladder Single Inflator Wings**

The Vertex Extreme Series is a Single Inner Bladder/Single Inflator Extreme Explorer Wing for Double Tank Diving. The Extreme series wing provides the greatest puncture and abrasion resistance than any wing Oxycheq has ever made. Lighter in weight compared to the Cordura Vertex.



### **Oxycheq Mach V Extreme Series Single Wing (30# & 40#)**

Mach V Extreme Series Wing for Singles. The low profile produces less drag in the water.

The extreme series wing provides the greatest puncture and abrasion resistance than any wing made by Oxycheq.

Puncture and abrasion protection is provided by the tiny, hard guard plates that are adhered to conventional and non-conventional base fabrics. Because the gap between guard plates is very small, it provides high levels of protection from sharp pointed objects and abrasion.



### **Recon I Extreme Series Sidemount System**

#### **42# Lift Vertex \*Signature Series\* Single Bladder/Single Inflator Wing**

42# Lift Vertex \*Signature Series\* Single Bladder/Single Inflator Wing

#### **55# Vertex \*Extreme\* Dual Bladder Dual Inflator**

55# Vertex \*Extreme\* Dual Bladder Dual Inflator 360 Loop Wing

## LIGHT MONKEY 28LB WING

The 28 lb wing is the perfect size for single tank rigs or a rebreathers; the donut shape provides all-around lift



Light Monkey wings are 100% manufactured in the USA using the highest-quality materials available, and the final assembly takes place in our facility in Lake City, Florida

The outer bag is 1680 denier ballistic nylon, chosen for its tear strength and abrasion resistance.

The bladder is 15 mil virgin medical-grade polyether urethane. Polyether (as opposed to polyester) is better suited for water-exposed applications. Its stretch prevents point loads on the welds

and is the best fit with our denier ballistic nylon outer bag; this makes for a much quieter wing than nylon-laminated bladders.

The zipper is a 10 mm Vislon non-corrosive zipper with locking slider. This is a standard in zippers for marine applications; you will find the same one on boat tops, sail covers, etc.

The wing includes a 13" crush-proof hose, two 2" EDM bands for hose routing, and a standard K-style power inflation valve.

The 28 lb wing does not have slots for tank bands, as it is designed for use with a single tank adapter

## LIGHT MONKEY 45 LB WING



The 45 lb wing is the perfect size for doubles; the donut shape provides all-around lift

Light Monkey wings are 100% manufactured in the USA using the highest-quality materials available, and the final assembly takes place in our facility in Lake City, Florida

The outer bag is 1680 denier ballistic nylon, chosen for its tear strength and abrasion resistance.

The bladder is 15 mil virgin medical-grade polyether urethane. Polyether (as opposed to polyester) is better suited for water-exposed applications. Its stretch prevents point loads on the welds and is the best fit with our denier ballistic nylon outer bag; this makes for a much quieter wing than nylon-laminated bladders.

The zipper is a 10 mm Vislon non-corrosive zipper with locking slider. This is a standard in zippers for marine applications; you will find the same one on boat tops, sail covers, etc.

The wing includes a 13" crush-proof hose, two 2" EDM bands for hose routing, and a standard K-style power inflation valve. The inflation hose is located in the middle of the wing, so it doesn't interfere with hose routing on either the left or right post on a set of doubles.

The Light Monkey 45 lb wing has a true 45 lbs of lift. The cutout for the back plate is the same size and shape as our backplate, preventing gas from getting trapped between the backplate and wing.



## Highland 37 lb Wing

- 360° full circle design allows quick left/right gas transfer
- Vent at top center allows air to escape from between the layers
- 4 cam slots allow direct attachment to cylinder with nylon cam bands
- Built with internal loops for optional bungee retraction
- “K-Style” tech inflator, center point attachment
- Elliptical 19 in (23 cm) corrugated hose to reduce drag
- 25 in (63.5 cm) Miflex quick-disconnect hose (carbon color)
- Three sets of 11 in (280 mm) centered grommets
- Grommets made from heavy nickel-plated brass
- Strong 210D nylon bladder
- Cover built from 1000D nylon Cordura®
- Right or left side OPV



## Highland 45 lb Wing

- 360° full circle design allows quick left/right gas transfer
- Vent at top center allows air to escape from between the layers
- 4 cam slots allow direct attachment to cylinder with nylon cam bands
- Built with internal loops for optional bungee retraction
- “K-Style” tech inflator, center point attachment
- Elliptical 19 in (23 cm) corrugated hose to reduce drag
- 25 in (63.5 cm) Miflex quick-disconnect hose (carbon color)
- Three sets of 11 in (280 mm) centered grommets
- Grommets made from heavy nickel-plated brass
- Strong 210D nylon bladder
- Cover built from 1000D nylon Cordura®
- Right or left side OPV



### **Poseidon One Wing & Harness**

The incredible One Harness is manufactured with the assistance of a leading backpack manufacturer and is therefore built to be comfortable and supportive of weight, making those walks to the water less painful.

This harness is great for all levels, you can easily attach weight pouches, you can adjust the spine length and you have a plethora of options for D-Ring and accessory attachments. Pair this with the One Wing for the ultimate in a comfortable, and durable back inflate BCD.



### **Poseidon Origo BCD**

The Origo BCD by Poseidon is made of high quality ballistic nylon, meaning it will hold up no matter how rough you are on your gear. It is simple in function, while still including the components you want in a BCD, like integrated weight pockets, accessory pockets and D-Rings. This BCD is ideal for beginners and experienced divers alike who want to dive and want to do so in equipment that will perform consistently and reliably with extended usage.

# BACKPLATES



## OxyCheq Medium Stainless Steel Backplate

Medium Stainless Steel Backplate Fits two inch (50mm) webbing. Slots for cam bands for single tank use. Holes on 11 inch centers. All plates are laser cut with machine beveled slots and outside edges to prevent excess wear on soft products such as wet suits, dry suits and wings.

- For Divers 63/64" and taller (163+ cm)
- 15" (38cm) long
- 5 pounds



## OxyCheq Small Stainless Steel Backplate

Small Stainless Steel Backplate is laser cut with machine beveled slots and outside edges to prevent excess wear on soft products such as wet suits, dry suites and wings. . Uses Standard 2 inch Webbing. Slots for Cam Bands for Single Tank use. Angled shoulder straps for a great fit. Holes are standard 11 inch center. Size small.

- For Divers under 63/64" and shorter (under 163 cm)
- 13" (38cm) long
- 4.2 pounds (1.72 kg)
- Laser Cut
- Made in USA



### **OxyCheq Medium Aluminum Backplate**

Medium Aluminum Backplate Fits two inch (50mm) webbing. Slots for cam bands for single tank use. Holes on 11 inch centers. Plates are laser cut & machine beveled on slots & outside edges to prevent excess wear on soft products. Uncoated aluminum will oxidize when used in salt water. Aluminum plates are coated to keep the aluminum from oxidizing and turning to powder. Colors available: black, red, blue, pink. Custom color available.

For Divers 63/64" and taller  
15" long  
1.7 pounds



### **OxyCheq Small Aluminum Backplate**

Small Stainless Steel Backplate is laser cut with machine beveled slots and outside edges to prevent excess wear on soft products such as wet suits, dry suites and wings. . Uses Standard 2 inch Webbing. Slots for Cam Bands for Single Tank use. Angled shoulder straps for a great fit. Holes are standard 11 inch center. Size small.

- For Divers under 63/64" and shorter (under 163 cm)
- 13" (38cm) long
- 4.2 pounds (1.72 kg)
- Laser Cut
- Made in USA



### **Light Monkey Aluminum Backplate**

Brushed black anodizing provides corrosion resistance to salt water

All edges and cutouts have been machined to give a nice beveled edge which gives your webbing a longer life

Weight - 1.7 lbs (.7 kg)



## Light Monkey Stainless Steel Backplate

Light Monkey stainless steel backplates are cut from a sheet of 304 stainless steel, bent, machined, and then given a brushed finish.

All edges and cutouts have been machined to give a nice beveled edge which gives your webbing a longer life

Weight 4.9 lbs (2.2 kg)



## Poseidon Backplate Steel

Your Poseidon One Harness has a great way to evenly and comfortably add weight to your system. You can replace the standard plastic backplate with a steel one that weighs 5 lbs. This is a great way to help your trim by carrying less weight on your hips and dispersing it evenly along your back. Your buoyancy will thank you!

### Key Features:

- Replaces plastic backplate
- Weighs 5 lbs (2.25 kg)





## Highland Stainless Steel Backplate

- 304 stainless-steel, 11-gauge (.115 in/3 mm)
- Weight: 5 lbs (2.3 kg)
- All edges are beveled to protect the harness
- The 3 holes at the top of the plate offer variable height adjustment for air cell and cylinder mounting. In addition, a corresponding lower oval slot allows for lower band bolts that may be misaligned
- Slots at bottom for use with 1 in (2.5 cm) or 2 in (5 cm)

crotch strap

- 3/8 in (9.5 mm) accessory mounting holes along the sides and bottom



## Highland Aluminum Backplate

- 6061 aluminum alloy with black anodized finish
- Weight: 1 lb 11 oz (765 g)
- All edges are beveled to protect the harness
- The 3 holes at the top of the plate offer variable height adjustment for air cell and cylinder mounting. In addition, a corresponding lower oval slot allows for lower band bolts that may be misaligned
- Slots at the bottom are for use with 1 in (2.5 cm) or 2 in (5 cm) wide crotch strap

- 3/8 in (9.5 mm) accessory mounting holes along the sides and bottom

# HARNESSES



## **OxyCheq Deluxe Adjustable Harness**

An adjustable harness designed for any size backplate. One size fits most. A Fastex Clip on each chest, SS belt buckle, contoured and comfortable shoulder pads, two SS D-rings on each side of the chest and one on left hip, and a crotch strap with Fastex Clip. It is extremely comfortable and many adjustment features.

Available colors: black, red, orange, yellow, lime green, blue, purple, pink and camo.



## **OxyCheq Hogarthian Harness - Regular**

A five point Hogarthian harness system. Consist of 12 foot (3.6 meter) of two inch (50mm) webbing, five loose keepers, 4 loose D-Ring's, stainless steel belt buckle, crotch strap with sewn loop and D-Ring and keeper sewn under the loop in the crotch strap. All hardware is stainless steel. The crotch strap webbing is soft and without resin; this helps to reduce excess wear on exposure suits.

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**OXYCHEQ HARNESSES ARE ALSO  
AVAILABLE WITH CHEMICAL RESISTANT  
WEBBING**

## Light Monkey Backplate Webbing with Hardware and Crotch Strap

Light Monkey harness kits utilize the streamlined, traditional Hogarthian setup

The kit includes:



- 12' (366 cm) of 2" webbing with a stainless steel grommet in the middle
- a sewn crotch strap for extra strength and more streamline capability
- two shoulder D-rings and tri-glides
- two additional tri-glides to secure the webbing behind the backplate
- one D-ring and tri-glide for the left hip
- one stainless steel belt buckle
- five EPRM bands to secure lights to shoulders and hold excess webbing down
- one O-ring to secure the inflator hose on the left shoulder strap

## Highland Tec/Rec Harness

The Tec/Rec Harness is a simple continuous weave design that can easily be customized. The 2 in (50 mm) nylon web is specifically sourced for harness and crotch strap applications.

**Includes:**

- One continuous 12 ft (3.7 m) piece of webbing with center grommet
- Adjustable crotch strap with front and back D-rings
- Stainless steel waist buckle
- 2 shoulder D-ring attachment points
- 2 waist D-ring attachment points



# SI TECH DRY GLOVE SOLUTIONS



[Quick Glove - First generation Dry Glove System](#)



[Glove Lock QCP - Twist Lock Function](#)



[ANTARES](#)



VIRGO



NEVA



OBERON



LIANA



[Latex 5-Finger Dry Gloves](#)



[Latex 3-Finger Dry Gloves](#)



[Latex Mitten](#)



[Latex 5-Finger Dry Gloves with cuff](#)



Blue PVC Glove - Basic



Blue PVC Glove - Bottleneck



Kleven Inner Glove



Fleece Liner

# SI TECH MODULAR SOLUTIONS



[ORUST Neck System](#)



[Quick Neck](#)



[Neck Tite](#)



[SLÄGGÖ Flex Ring](#)





QCS Oval



Quick Cuff

# VIKING EXHAUST AND INFLATOR VALVES



VIKING™ X2 Exhaust Valve



VIKING™ Low Profile Exhaust Valve



VIKING™ Push Protected Inlet Valve



VIKING™ High Button Inlet Valve



VIKING™ Apeks Inlet Valve



VIKING™ Hazmat Inlet Valve

# SI-TECH INFLATION AND EXHAUST VALVES



**SKELETON INFLATION VALVE**



**SHELL INFLATION VALVE**



**SLIDE INFLATION VALVE**



**VEGA INFLATION VALVE**



**ATOS CABLE ENTRY PORT**



**LOW MUTE INFLATION VALVES**



**VALVE SET**



**BLANKING PLUG**



**ARGO EXHAUST VALVE**



**THETIS EXHAUST VALVE**



**GAUDE EXHAUST VALVE**

# SI TECH DUMP/PEE VALVES



**CUFF DUMP VALVE**



**ON/OFF DUMP VALVE**



**STRING DUMP VALVE**



**LOW PROFILE DUMP VALVE**



**TRIGON PEE VALVE**



**PEE VALVE**



**SHE-P KIT 3.0**



# **LIGHT MONKEY P-VALVES**



**Balanced P-valve**



**Tinkle Valve**

**Non-Balanced P-valve**



**All Light Monkey P-Valves are available with quick disconnect**

# VIKING CUFF RING SYSTEMS



**Viking Standard Cuff Ring System for Pro / Protech / HD / Haztech / WRS Suits**

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**Viking Bayonet System Cuff Ring Set for Pro / Protech / HD Suits**

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# VIKING DRY SUIT GLOVES

GLOVE VIKING 5-FINGER LONG GAUNTLET FOR  
STANDARD RING



VIKING GOODGRIP GLOVE FOR STANDARD RING



VIKING GOODGRIP LATEX GLOVES (SELF-SEALING)



# CYLINDERS

## METALIMPACT Aluminum Cylinders

FINISH OPTIONS (AL50-AL100)	
<b>BNC</b>	Brushed No Coat
<b>SB</b>	Shot Blast
<b>NF</b>	Natural Finish
<b>BK</b>	Black
<b>BU</b>	Blue
<b>GN</b>	Green
<b>PR</b>	Purple
<b>RD</b>	Red
<b>WH</b>	White
<b>YL</b>	Yellow
<b>YL*</b>	Yellow (AL50 only)

VALVE OPTIONS FOR ALUMINUM
Change to XS Scuba K Valve
Change to XS Scuba PRO Valve
Change to XS Scuba PVD PRO Valve
Change to XS Scuba Modular Valve
Change to Thermo PRO Valve
Change to Thermo DIN Valve
Change to Thermo Modular Valve
No Valve



Part #	AL50	AL63	AL80	ALN80	AL100
Volume	50 cu ft	63 cu ft	80 cu ft	80 cu ft	100 cu ft
Finish Options	<b>NF</b> <b>YL*</b>	<b>BK</b> <b>BU</b> <b>BNC</b> <b>NF</b> <b>YL</b>	<b>BK</b> <b>BNC</b> <b>BU</b> <b>GN</b> <b>NF</b> <b>PR</b> <b>RD</b> <b>SB</b> <b>WH</b> <b>YL</b>	<b>BNC</b>	<b>BK</b> <b>BNC</b> <b>YL</b>
Valve Included	Thermo K Valve	Thermo K Valve	Thermo K Valve	Thermo PRO Valve	Thermo PRO Valve
Service Pressure	3000 psi / 207 bar	3000 psi / 207 bar	3000 psi / 207 bar	3300 psi / 228 bar	3300 psi / 228 bar
True Capacity	49.5 cu ft / 7.1 liters	61.0 cu ft / 8.7 liters	77.5 cu ft / 11.1 liters	76.2 cu ft / 10.00 liters	98.2 cu ft / 12.9 liters
**Buoyancy Full	-2.3 lbs / -1.0 kg	-2.3 lbs / -1.0 kg	-1.5 lbs / -0.7 kg	-4.1 lbs / -1.9 kg	-5.3 lbs / -2.4 kg
**Buoyancy @ 500 psi	0.9 lbs / 0.4 kg	1.6 lbs / 0.7 kg	3.3 lbs / 1.5 kg	0.8 lbs / 0.4 kg	1.0 lbs / 0.5 kg
Empty Weight (No Valve)	21.5 lbs / 9.8 kg	27.2 lbs / 12.3 kg	31.9 lbs / 14.5 kg	33.4 lbs / 15.2 kg	42 lbs / 19.1 kg
Outside Diameter	6.9 in / 175 mm	7.25 in / 184 mm	7.25 in / 184 mm	7.25 in / 184 mm	8.0 in / 203 mm
Cylinder Length (No Valve)	19.4 in / 493 mm	21.9 in / 556 mm	26.1 in / 663 mm	25.4 in / 645 mm	26.25 in / 667 mm





















# METALIMPACT

## ALUMINUM CYLINDERS

FINISHES	
	Black
	Brushed No Coat
	Blue
	Green
	Natural Finish
	Purple
	Red
	Shot Blast
	White
	Yellow



\*\*In Sea Water with Valve

COLORS	 	   	         		  
VALVE INCLUDED	Thermo K Valve	Thermo K Valve	Thermo K Valve	Thermo PRO Valve	Thermo PRO Valve
Service Pressure	3000 psi / 207 bar	3000 psi / 207 bar	3000 psi / 207 bar	3300 psi / 228 bar	3300 psi / 228 bar
True Capacity	51.0 cu ft / 7.2 liters	63.0 cu ft / 9.0 liters	77.4 cu ft / 11.1 liters	77.4 cu ft / 10.0 liters	101.2 cuft / 12.9 liters
**Buoyancy Full	-2.7 lbs / -1.2 kg	-3.3 lbs / -1.5 kg	-1.8 lbs / -0.8 kg	-5.0 lbs / -2.3 kg	-5.6 lbs / -2.5 kg
**Buoyancy @ 500 psi	0.5 lbs / 0.2 kg	0.5 lbs / 0.2 kg	3.2 lbs / 1.5 kg	0.1 lbs / 0 kg	1.0 lbs / 0.4 kg
Empty Weight (No Valve)	21.5 lbs / 9.8 kg	27.2 lbs / 12.3 kg	31.9 lbs / 14.4 kg	33.4 lbs / 15.2 kg	42.0 lbs / 19.1 kg
Outside Diameter	6.9 in / 175 mm	7.25 in / 184 mm	7.25 in / 184 mm	7.25 in / 184 mm	8.0 in / 203 mm
Cylinder Length (No Valve)	19.4 in / 492 mm	21.9 in / 555 mm	26.1 in / 662 mm	25.4 in / 645 mm	26.25 in / 667 mm

# LUXFER LIMITED 106 COMPOSITE CYLINDER

<p>DOT SP #12479</p> <p>NO TC PERMIT FOR USE IN CANADA</p>	<p><b>INCLUDES</b></p>  <p>VX378-43A-VI</p>
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*\*In Sea Water with Valve*

Part #	LALW106
Volume	106 cu ft
Colors	(WH)
Valve Included	XS Scuba 7/8" DIN Valve
Service Pressure	4350 psi / 300 bar
True Capacity	105.2 cu ft / 11.1 liters
*Buoyancy Full	-4.8 lbs / -2.18 kg
*Buoyancy @ 500 psi	2.1 lbs / .95 kg
Empty Weight (No Valve)	33.8 lbs / 15.3 kg
Outside Diameter	7.39" / 188 mm
Cylinder Length (No Valve)	26.1" / 663 mm

- Requires a dedicated 300 bar DIN valve
- Attachment of DIN first stages only

### High Pressure

- 4350 psi service pressure

### High Volume

- 106 cu ft capacity

### Service Life

- Hydro retest every three years
- Must retire after 15 years

### 4350 psi Compatibility

- Check with the manufacturer of your regulator & pressure gauge to ensure they are compatible with 4350 psi

### Transport Canada (TC)

- No permit for use in Canada

### Air Service Only



### OXYGEN USE

Luxfer scuba cylinders with service pressures up to 3000 psi scuba cylinders

### HYDRO DATES ON NEW ALUMINUM CYLINDERS

We ship cylinders with the "freshest" possible hydro date. We are limited in

# Faber

## Steel Cylinders

### Hot Dip Galvanized

HDG is the most durable, corrosion-free exterior finish possible. The HDG process involves submerging the cylinder into molten zinc. The zinc metallurgically bonds to the steel so that it won't come off.

- 3442 psi (237 bar) working pressure
- Phosphatized-cleaned interior
- DOT SP13488 and TC SU7694-237
- O2 cleaned for use with up to 40% pre-blended nitrox
- Includes self-draining tank boot with round rim
- Inlet thread is standard 3/4"-14 NPSM

VALVE OPTIONS FOR STEEL	
With XS Scuba PVD PRO Valve	
With Thermo PRO Valve	
With Thermo DIN Valve	
With Thermo Modular Valve	
With XS Scuba Modular Valve	
No Valve	
No Boot	



Part #	HP80-HDG	HP100-HDG	HP120-HDG	HP117-HDG	HP133-HDG
Stated Volume	80 cu ft	100 cu ft	120 cu ft	117 cu ft	133 cu ft
True Capacity	81.7 cu ft / 10.2 liters	101.3 cu ft / 12.9 liters	120.1 cu ft / 15.3 liters	117.8 cu ft / 15 liters	133.5 cu ft / 17 liters
Service Pressure	3442 psi / 237 bar	3442 psi / 237 bar	3442 psi / 237 bar	3442 psi / 237 bar	3442 psi / 237 bar
*Buoyancy Full	- 8.05 lbs / -3.65 kg	- 8.41 lbs / -3.81 kg	- 8.82 lbs / -4.00 kg	- 9.12 lbs / -4.13 kg	- 9.08 lbs / -4.12 kg
*Buoyancy Empty	- 1.74 lbs / -0.79	-0.59 lbs / -0.15	0.65 lbs / 0.29	0.35 lbs / 0.16	1.45 lbs / 0.66
Weight Empty	28.3 lbs / 13.0 kg	34.0 lbs / 15.6 kg	39.2 lbs / 17.8 kg	37.6 lbs / 17.7 kg	42.4 lbs / 19.4 kg
Outside Diameter	7.25" / 184 mm	7.25" / 184 mm	7.25" / 184 mm	8.00" / 203 mm	8.00" / 203 mm
Length	20.8" / 53.0 cm	25.3" / 64.5 cm	29.1" / 74.5 cm	24.2" / 61.5 cm	26.85" / 68.0 cm
REE	68 cc	86 cc	100 cc	100 cc	113 cc

### HYDRO DATES ON NEW FABER STEEL CYLINDERS

We ship cylinders with the "freshest" possible hydro date. We are limited in some models because of high manufacturing quantities and relatively low sales volume. Please understand, that steel cylinders shipped to your location within 18 months from date of manufacture are considered "current hydro" and not subject to further discounts.

### OXYGEN USE WITH FABER STEEL CYLINDERS

Faber steel cylinders are cleaned at the factory for oxygen-enriched service up to 40% pre-blended nitrox. If you intend to use this cylinder for oxygen-enriched service, it is the responsibility of the cylinder user to insure that the cylinder and all components are maintained in a proper state of oxygen cleanliness in strict accordance with regulatory requirements and industry standards.

\*In Sea Water with Valve

# Faber

## Steel Cylinders

### Gun Metal Gray

This triple-protected finish provides long-lasting durability. The process includes a zinc galvanizing spray, followed by an epoxy paint and then a top coat of polyurethane. The result is a beautiful cosmetic finish.

- 3442 psi (237 bar) working pressure
- Phosphatized-cleaned interior
- DOT SP13488 and TC SU7694-237
- O2 cleaned for use with up to 40% pre-blended nitrox
- Includes self-draining tank boot with round rim
- Inlet thread is standard 3/4"-14 NPSM

VALVE OPTIONS FOR STEEL	
With XS Scuba PVD PRO Valve	
With Thermo PRO Valve	
With Thermo DIN Valve	
With Thermo Modular Valve	
With XS Scuba Modular Valve	
No Valve	
No Boot	



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# FABER TWIN STEEL CYLINDERS SETS

Twin sets come complete with your choice of isolation manifold, stainless steel bands with hardware, and self-draining tank boots



## Hot Dipped Galvanized

HDG is the most durable, corrosion-free exterior finish possible. The HDG process involves submerging the cylinder into molten zinc. The zinc metallurgically bonds to the steel so that it won't wear off.



## Gun Metal Gray

This triple-protected finish provides long-lasting durability. The process includes a zinc galvanizing spray, followed by an epoxy paint and then a top coat of polyurethane. The result is a beautiful cosmetic finish.

# PAINTED CYLINDER COLORS



Black

Blue

Green

Purple

Red

White

Yellow



**THESE ARE JUST SOME OF THE PRODUCTS AVAILABLE AT U.S. DARKWATER. IN ADDITION TO THE ITEMS SHOWCASED HERE, WE OFFER A WIDE VARIETY OF KNIVES, LIGHTS, ACCESSORIES AND MUCH MORE. IF THERE ARE ITEMS YOU ARE INTERESTED IN THAT ARE NOT SHOWN IN THIS CATALOG, PLEASE CONTACT US.**

**IN ADDITION TO THE BRANDS SHOWCASED IN THIS CATALOG,  
U.S. DARKWATER IS PROUD TO CARRY QUALITY PRODUCTS  
FROM THE FOLLOWING:**



