

**VIKING**  
THE WORLDWIDE  
DIVING STANDARD



## VIKING VSN (Back Entry) - Comfort and durability in unique combination

The Viking VSN suit is made from a unique rubber based material. It has a core of black EPDM/natural rubber, which is covered with stretch Armatex Nylon on both sides. Technically it is a vulcanized rubber suit, but without the vulcanized “style” appearance. The suit is fitted with rotating inlet and exhaust valves and a medium-duty zip. Black rubber reinforcements are integrated on the suit and cover the lower front leg over the knee. For optimal comfort, the suit is fitted with rubber coated neoprene boots. Configuration options also include cargo pockets, a wide range of hoods and neck seals, ring systems for dry gloves and reflective markings.



### VSN - UNIQUE GARMENT MATERIAL

A flexible and stretchy knitted Armatex Jersey Nylon covers both sides of a mid-ply of black NR/EPDM rubber. Material construction is in that sense a trilaminate material comprising qualities as outstanding flexibility, comfort and durability. It has an average material weight of 1100 g/m<sup>2</sup>. As such, it has the comfort of compressed neoprene combined with the durability of vulcanized rubber. The material is totally non-compressible which means no loss of buoyancy or insulation while diving.

### VULCA-SEAM TECHNOLOGY - UNIQUE SEALING OF SEAMS

Like on a regular vulcanized rubber suit, rubber tape is used to cover and seal the seams. The only difference is that on Viking VSN, the stitched seams are covered on the inside of the suit with tape of the same rubber blend as the mid-ply suit material. The inside seams are pre-treated with a special solution and then covered with rubber tape whereupon the suit is vulcanized in order to get the seams totally sealed and watertight.

### FOOTWEAR

The standard boot option is rubber coated neoprene boots, sewn onto the legs of the suit. The boot has a fin-strap retainer on the heel to prevent fins from sliding off.

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#### **VIKING VSN AS BACK ENTRY OR FRONT ENTRY MODEL**

Viking VSN is available both in a regular back entry option with the zipper across the shoulders and in a front entry version with telescopic torso and zipper from left shoulder to right waist. Both versions come with a zipper protection flap as standard.

#### **ZIPPER**

Viking VSN is fitted with a medium-duty zipper due to the flexibility of the suit fabric. The zipper is gas and watertight.

#### **REINFORCEMENTS**

Viking VSN has black rubber reinforcements with anti-slip surface covering the lower front leg and knee.

#### **SUSPENDERS**

Elastic and removable braces can be attached to the inside of the suit for ease of wear and crutch adjustment.

#### **VALVES**

The inlet valve is 360° swiveling and positioned centrally on the chest. The VSN is equipped with the Viking X2 outlet valve, placed on the upper left arm. Both valves can be positioned according to custom demand.

#### **HOOD AND NECKSEAL**

The Viking VSN offers a lot of options when it comes to hood and neck seal configurations. Both neoprene and latex hoods can be permanently attached/glued to the suit. A configuration with neck seal only option is also possible (neoprene and latex neck seals as well as neoprene warm neck collar available). Hood option will then be to use a separate neoprene hood.

#### **CUFF RINGS**

Cuff rings can be attached to the suit either permanently or, if preferred, as detachable directly on the latex cuff. When permanently attached, rings are glued to the sleeves. Cuff rings make it possible to use dry gloves. With cuff rings, fast and easy exchange of cuffs is enabled. Cuff ring options include the Viking rubber sleeve ring as well as the Viking Bayonet Ring System.

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**VSN CARGO POCKET**



**XL TECH POCKET**



**VIKING BAYONET RING SYSTEM**

#### **CUFFS**

Latex cuffs are either attached by mounting them on the inside of the cuff rings or permanently glued to the sleeves of the suit.

#### **STANDARD SUIT SIZE RANGE**

The Viking VSN series is available in fourteen standard sizes:

00 - 05

01 Wide - 04 Wide

01 DWide - 04 DWide

For detailed size measurements along with boot sizing, please see the Viking VSN size chart (available on the Viking website, [www.trelleborg.com/vikingdiving](http://www.trelleborg.com/vikingdiving)).

Viking VSN is not available in custom-made versions. Extension and shortening of arm and leg length is possible and offered separately.

#### **INCLUDED WITH EACH DELIVERY**

Each suit is delivered in a bag including:

- User's Manual
- Repair Kit
- Inflator Hose
- Zip Care Tools
- Suspenders

#### **ACCESSORIES**

Dry gloves are available in both latex and rubber (same material as Pro 1000). Models range from 5-finger (latex only) to 3-finger and regular mittens. Dry gloves can only be used in conjunction with cuff rings.

Optional accessories for the suit include relief zipper and cargo style pocket. Viking also offers a vast range of different hoods, cuffs, neck seals, valves and gloves to choose among for the professional and recreational diver.

## **CHEMICAL RESISTANCE**

Although the Viking VSN offers the same outstanding chemical protection and resistance as the Viking Pro 1000 it is not the recommended choice for diving operations in contaminated waters. Reason being the problem of decontaminating the textile based outer lining of the suit.

For Viking's results of chemical permeation data please see separate documentation; "*Diving in Contaminated Water, 3rd Edition: Chemical and Biological Tests of Viking Dry Suits and Accessories*", which is available on the Viking website, [www.trelleborg.com/vikingdiving](http://www.trelleborg.com/vikingdiving).

## **REFERENCES**

The Viking dry diving suits are in world-wide use by leading hazmat, rescue and fire teams, military armed forces, law enforcement agencies as well as in the commercial diving industry. Some of our well-known Viking customers include:

New York City Fire Department • Brandweer Amsterdam • Madrid Council • Hong Kong Fire Services Department • National Fire and Rescue Administration (BOMBA) Malaysia • US Navy EOD • Royal Dutch Navy • French Navy • Swedish Navy Clearance Divers • KNM Tordenskjold, Military Dive School Norway • South Korean Navy • Taiwan Navy Rescue Team • New York Police Department • Detroit Police Underwater Recovery Team • FBI • The National Counter Terrorist Unit Sweden • Japan Police Headquarters • Australian Police Rescue Divers • Royal Canadian Mounted Police • Swedish Coast Guard • Environmental Protection Agency (US) • National Oceanic and Atmospheric Administration (US) • Skanska AS, Norway

