



The VIKING advantage

VIKING offers a choice of product packages, unique systems and servicing agreements that range from top of the line innovations to standard equipment. We can also tailor make products to specific customer requirements.

VIKING products are supported by a unique global network of subsidiaries and authorised servicing stations. We work together as a team via our extensive information network. We know the offshore business and we know what it takes to make a sound long term investment in essential safety equipment – from original design to maintenance.

Contact your nearest VIKING office and hear more about what makes VIKING so special and how we can help you make the right choice – first time around.



The VIKING advantage



What makes PS4173 a unique solution?

- The unique combination of transportation and immersion suit means that one suit can remain with a person throughout their whole stay offshore.
- The PS4173 is the only immersion suit that ensures a horizontal lifting position during evacuation from the water, supporting the body's own protection mechanism and preventing suspension induced shock syndrome.
- Only VIKING's combined suit includes an Air Supply Device (ASD), a re-breather with added compressed air, that contains the equivalent of 6 litres of air - giving the wearer vital extended breathing time. The device is automatically activated when needed.
- GoreTex® material for high breathability and better comfort. The suit also comes with steel reinforced PU safety boots. It is designed for extended wear, maximum comfort and has a host of design extras that makes it truly outstanding.

VIKING PS4173 Combined Offshore helicopter transportation & immersion suit



Discover the unique features of the PS4173



Top of the line combined helicopter transportation and immersion suit

VIKING has developed a cutting edge, high quality combined helicopter and immersion suit with integrated lifejacket that eliminates the need to change from one suit to another on arrival offshore. Once on the platform, this 2 in 1 approved helicopter transportation suit is transformed into an approved immersion suit simply by screwing the inflation mechanism with the bobbin into the automatic inflation system, making it a self-turning immersion suit.

This suit goes one step further in protecting life. The specially designed lifting becket is the first in the world to ensure a horizontal lifting position when evacuating from water, dramatically reducing the risk of fatality through suspension induced shock syndrome.



The PS4173 is the first and only suit on the market that protects against suspension induced shock syndrome, protecting the inner organs from cold blood being released into circulation thanks to its unique lifting angle.

It is also the first suit that combines a high quality approved immersion suit with a high quality approved helicopter transportation suit. It includes more features than any other on the market.

It is designed for an excellent fit for comfort during extended wear during transportation to and from the platform, and for maximum protection from water ingress in case of emergency.

Unlike any other transportation suit with re-breather, VIKING's PS4173 exceeds the stipulated requirements by featuring additional compressed air equivalent to 6 litres. The extra time this gives can be crucial when escaping from a ditched helicopter.

Suspension induced shock syndrome

When the body begins to cool down, the automatic reaction is to protect the vital inner organs. Circulation to the extremities – the arms and legs, hands and feet are reduced and the warm blood retained in the torso. This mechanism is essential for survival.

Suspension induced shock syndrome occurs when a hypothermic person is lifted from their horizontal position in the water by a lifting becket that raises them in an upright position. Warm blood flows away from the inner organs down into the legs and in turn cold blood is sent into circulation. When the cold blood reaches the heart it can cause a fatal cardiac arrest.

Feature 1. Lifting becket

Unique integrated lifting becket ensures a stable, life-protecting horizontal position when lifting from water.

Feature 2. Hood closure

The zipper closes at the side of the face for increased comfort and a tighter fit. Tight face rings and an elastic feature in the hood that pushes the head forwards to help prevent water ingress.

Feature 3. Asymmetric lifejacket

The unique built in 275N lifejacket is designed to turn the wearer into a faceup position – even when unconscious. The spray hood protects the wearer from the stress of water spray in the face.

Feature 4. Re-breather

The ASD, or re-breather sufficient for 60 seconds of breathing, significantly improves the survival chances of immersed passengers, providing vital air supply to enable them to escape from a submerged craft. It can be manually or automatically activated.



Feature 5. Compressed air

VIKING's re-breather has 20g of compressed air, equivalent to 6 litres, for further extended breathing time. The air is automatically fed into the re-breather when required.

Feature 7. Fast, simple conversion of inflation system

The integrated lifejacket can easily be converted to a manual inflation system for flight mode by unscrewing the bobbin, and returned to an automatic inflation system when the suit is used as an immersion suit.

Feature 9. Glove pocket

Detachable 3 finger gloves with shark skin palms, attached to sleeve by a strap, can be removed and stored in the glove pockets.

Feature 11. Wristlets

Specially designed wristlets are watertight as an extra safety feature preventing water ingress if a glove gets torn or a hole in it.

Feature 6. Re-breather hose

The re-breather hose has an attached nose clip and can be operated with one hand.

Feature 8. Bobbin pocket

The pocket for the removable lifejacket bobbin is transparent and allows the helicopter pilot to quickly visually check that the automatic release for the lifejacket has been removed from the suit and is ready for flight.

Feature 10. Zipper fastened inner lining

The detachable thermal inner lining is kept in position with zippers that ensure the lining stays in a fixed position. The lining can easily be removed for cleaning and replacement.

Feature 12. Spiral zipper

The maintenance free, high strength spiral zipper used in VIKING suits prevents other clothing getting trapped in the zipper. It is extra durable, soft and flexible ensuring the suit is watertight and quickly and easily donned.