



PROFESSIONAL

Immersion suit CONTRA 140 AS



Immersion Suit CONTRA 140 AS

An integrated solution that together with a SECUMAR lifejacket provides a complete PPE system combining a survival suit, fall arrest and flotation for all work in and around water.

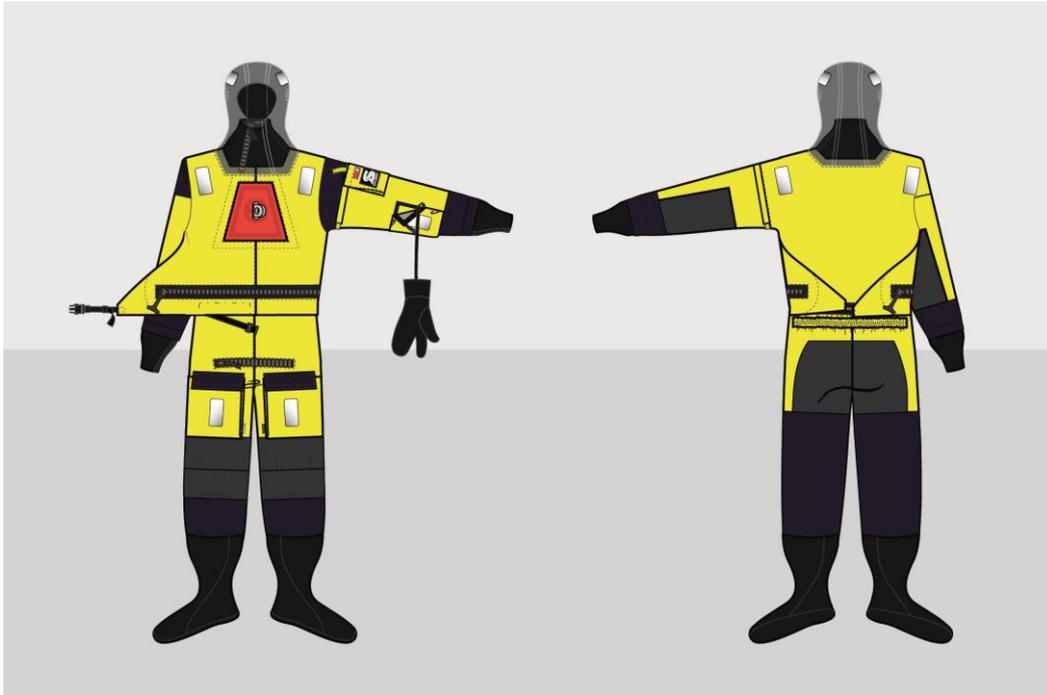
Work around water is fraught with many different dangers – so SECUMAR has teamed up with fall-arrest specialist BORNACK to provide an integrated solution to providing PPE with a waterproof survival suit incorporating a safety harness suitable for working at heights on all ships and offshore. The patented joining element becomes the attachment point and waterproof exit for the harness and can be connected to a fall-arrest system. By wearing the harness on the inside of the garment, it prevents folds in the suit fabric that might cut off blood supply if they were under the harness webbing. In addition it stops the webbing straps trapping air in the suit in unwanted places like the legs.

The suit also features a removable thermal liner and reinforced knees (with knee pad pockets and pads), seat and elbows. Entry is via a horizontal zip across the stomach.

However the main design feature is that it can be used with any suitable SECUMAR life jacket – in such a way as to be able to quickly check from the front that everything is in place and ready to hand.

The suit in itself has no inherent buoyancy system. We therefore recommend an additional SECUMAR lifejacket according to DIN EN ISO 12402-2 or SOLAS regulations with a minimum of 275N buoyancy.

This Personal Protective Equipment can be used all together or separately.



SPECIFICATION

General technical data	
Type:	Immersion suit CONTRA 140 AS
Part no.:	15163 Size S Euro size 44-46 Size M Euro size 48-50 Size L Euro size 52-54 Size XL Euro size 56-58 Size XXL Euro size 60-62 Size XXXL Euro size 64-66 Attached socks available in sizes 35 to 48 (UK 3 to UK 13).
Accessories:	Neoprene gloves (size S, M, L) and neoprene hood (size S, M, L, XL, XXL) are scope of delivery.
Insulation:	Thermal protection class B (acc. to EN ISO 15027-1) Water temperature: 0 °C 3,6 hours 5 °C 5,0 hours 10 °C 5,0 hours 15 °C 9,7 hours
Colour:	Neon yellow/Navy blue
Weight:	approx. 4.3 kg
Approval:	EN ISO 15027-1, SOLAS 74
Temperature range:	Storage: -54 °C to +70 °C Use: In air -30 °C to +65 °C In water +2 °C to +30 °C
Geographical range:	No restriction
Application:	Waterproof and breathable suit, which can be used in combination with a fall-arrest harness to EN361 and EN358 for work on offshore installations.
Approved fall-arrest harnesses for CONTRA 140 AS:	BORNACK FS-4T (Model Offshore) BORNACK FALLSTOP ATTACK – Pro (Model Offshore) BORNACK FALLSTOP AIR RESCUE (Type SEK and LR, Model Offshore)

Details

Outer material:	Waterproof breathable 3-layer GORE-TEX laminate. 100% polyamide.
Thermal undersuit:	96% PES
Sock material:	Stretch GORE-TEX®
Seams:	100% PES, waterproof sealed
Seals:	Lined neoprene at neck and wrists with a special inner coating for easy access.
Equipment:	The suit features an integral but removable thermal undersuit, a frontal clip-on position for a safety harness and 3M retro-reflective strips.
Zip:	Horizontal across the stomach for easy access.
Re-inforcement:	On seat, elbows and knees.
Pockets:	Over and under-arm, breast and leg pockets with over-flaps.
Sizes:	The cold immersion suit is available in 6 standard sizes (S - XXXL) and the fixed socks come in sizes UK 3 to UK 13.
Clothing accessories:	The insulation values above can be achieved with the following under-clothing: Shorts and T-shirt (short leg/sleeve, cotton), knee socks (cotton), shirt (cotton), pullover (wool), socks (cotton), boots (leather), neoprene balaclava and gloves, thermal undersuit.

Optional Equipment



Alpha 275 AS
P/N: 14824-01



Alpha 275 3D
P/N: 12449



Alpha 275-3D TWZ
P/N: 13806



Alpha 275-3D TWZ PLB Harness
P/N: 13955-01

03/2014



CE: PPE in conformance with Directive 89/686/EWG, type-approved to EN standard DIN EN ISO 15027-1



CE-Wheel mark: PPE in conformance with MED Marine Equipment Directive 96/98/EG and approved to SOLAS/IMO regulations for marine rescue equipment.



SECUMAR is a member of the Emergency Sea Rescue Equipment Trade Federation (FSR), a union of suppliers and importers of all water rescue equipment. For further information, see www.fsr.de.



Bernhardt Apparatebau GmbH u. Co.
Rettungsgeräte für Schifffahrt und Luftfahrt
Postfach 1190 · 25487 Holm
Tel.: +49 4103 125 – 0
Fax.: +49 4103 125 – 100
www.secumar.com

