

beaufort

SOLANDRI

SUBMARINE ESCAPE
IMMERSION SUIT (SEIE)

A full system approach to submarine escape



The Beaufort Solandri is a next-generation Submarine Escape Immersion Equipment (SEIE) system designed to enable free ascent from a stricken submarine and provide immediate protection upon surfacing. Drawing on decades of heritage, including evolution from the SPES MK3, Solandri is the preferred solution for navies worldwide demanding safety, survivability, and through-life performance in the most extreme maritime scenarios.

FEATURES

- ⦿ Pressure-rated to 200m+ escape depths – full watertight integrity during pressurised submarine escapes
- ⦿ Three-part suit system – inflatable suit, lifejacket, and ascent hood for total protection and flotation
- ⦿ Double-layer airtight construction – eliminates natural fibres and PVC/latex to reduce ageing in storage
- ⦿ Twin-chamber insulation inflation – enhances thermal protection via quilted effect
- ⦿ Reinforced soles and foot strapping – ensures stability and wear resistance on deck and in water
- ⦿ Improved visibility – large transparent viewing panel in hood for enhanced situational awareness
- ⦿ Hermetically sealed stowage – aluminium multilayer vacuum-pack for maximum shelf life and shock protection
- ⦿ Compact packed size – ideal for stowage in valise or personal escape systems



SOLANDRI

TECHNICAL DATA

Construction	Double-layer high-tenacity nylon with hydrolysis-resistant coating
Buoyancy	120N via inflatable lifejacket (complies with EN 395)
Weight	Approx. 6.7 kg
Packed Dimensions	Approx. 350 x 340 x 150 mm
Inflation	Two chambers activated by a single pull
Surface Pressure Relief	Adjustable stole valve for improved wave handling
Wrist Seals	Polyurethane for maximum durability
Adjustments	Tapes at legs and ankles for fit, comfort, and snag avoidance
Lifejacket Seal	Watertight zip connects lifejacket to suit for full environmental seal
Ascent Hood	Watertight, polyurethane, doubles as spray hood

INTEGRATED ACCESSORIES (OPTIONAL)

Neoprene Gloves	included as standard
Insulation Mitts	Stowed in dedicated arm pockets (SPES MK3 only)
Water-activated Light	Stowage Valise
Nose Clip & Lanyard	Mounted to suit zip
Goggles & Anti-glare Visor	Available on request
Radio Pocket	Optional attachment point
Reflective Tape	For night detection
Buddy Line	Stowed in arm pocket with rip strip
Whistle	Attached to lifejacket for alerting

Code	Product Name	Notes
TBC	Solandri SEIE Suit	Includes suit, lifejacket, and ascent hood
TBC	Accessory Kit	Optional – light, mitts, buddy line, etc.
TBC	Stowage Valise	Quick-open feature, shock-absorbing construction

Storage Note: Hermetically sealed in vacuum packaging. Resistant to liquids, gases, and humidity. Designed for long-term stowage in extreme environments.