

# Your last line of defence



**HANSEN**  
PROTECTION

The company was founded in 1877 by seacaptain Helly Hansen.

Since 1932 we have been in the marine business.

Since 1976 we have been developing and manufacturing survival suits for helicopter transport of offshore personel, and for all who work at sea



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## Immersion Suits

- ☑ E-307 SOLAS
- ☑ E-307 TRANSPORT CANADA
- ☑ SeaArctic NMD
- ☑ SeaArctic RMRS
- ☑ SeaArctic SOLAS
- ☑ SeaArctic TRANSPORT CANADA
- ☑ SeaEco RMRS
- ☑ SeaEco SOLAS
- ☑ SeaEco+ RMRS
- ☑ SeaEco+ SOLAS
- ☑ SeaEco+ TRANSPORT CANADA
- ☑ SeaNordic RMRS
- ☑ SeaNordic SOLAS
- ☑ SeaNordic TRANSPORT CANADA

## Special Suits

- ☑ ChemSuit EC Type EN
- ☑ Navy Quick Donning SOLAS
- ☑ SeaRIB ISO 12402-3
- ☑ SeaRib ISO 15027-1

## Transport Suits

- ☑ SeaAir EASA/ETSO
- ☑ SeaAir NMD
- ☑ SeaAir RMRS
- ☑ SeaAir SOLAS
- ☑ SeaAir Barents EASA/ETSO
- ☑ SeaAir Barents NMD
- ☑ SeaAir Barents RMRS
- ☑ SeaAir Barents SOLAS
- ☑ SeaAir Canada TRANSPORT CANADA
- ☑ SeaAir Europe EASA/ETSO

## Work Suits

- ☑ E 300-2 SOLAS
- ☑ SeaBreeze ISO 15027
- ☑ SeaBreeze SOLAS
- ☑ SeaMob SOLAS
- ☑ SeaWind / SeaWind III EASA/ETSO
- ☑ SeaWind / SeaWind III ISO 15027-1
- ☑ SeaWind / SeaWind III SOLAS
- ☑ SeaWork ISO 15027-1
- ☑ SeaWork SOLAS (Anti-exposure Suit)
- ☑ SeaWork SOLAS (Immersion Suit)

## Thermal Protection Aids - TPA

- ☑ HP TPA Mk. I/II/IV SOLAS
- ☑ HP TPA Mk. I/II/IV TRANSPORT CANADA
- ☑ HP TPA Mk. IV USCG
- ☑ SeaPass SOLAS

## Lifejackets

- ☑ SeaLife PRO 50N ISO 12402-5
- ☑ SeaLife SOLAS
- ☑ SeaLife TP Continued Use
- ☑ SeaLife TP NMD
- ☑ SeaLion 150N SOLAS
- ☑ SeaLion 275N SOLAS
- ☑ SeaLion Europe 275N EASA/ETSO
- ☑ SeaLion Leisure 150N ISO 12402-3
- ☑ SeaLion Rescue 275N ISO 12402-2

## Personal Locator Beacons

- ☑ HPL-2 AIS EPIRB GPS
- ☑ HPL-2 MSDS
- ☑ HPL-2 NEMKO

## Emergency Breathing Systems - EBS

- ☑ SeaAir EBS, incl. Mk. II, UK CAA

## Compatibility Statements

- ☑ Immersion Suit Winterization
- ☑ SeaEco MENS SAFE

## Service Intervals

- ☑ Instructions for onboard monthly inspection of vacuum packed suits.
- ☑ Vacuum package inspection instructions immersion and abandonment suits with or without light (all suits)

## Hansen Protection - Norway

- ☑ Achilles FPAL
- ☑ Achilles JQS
- ☑ EASA Maintenance Organization Approval (MOA)
- ☑ EASA Production Organization Approval (POA)
- ☑ EASA Design Organization Approval (AP DOA)
- ☑ HP MED-D
- ☑ ISO 9001:2015 (Eng)
- ☑ ISO 9001:2015 (Nor)
- ☑ ISO 14001:2015 (Eng)
- ☑ ISO 14001:2015 (Nor)

## Hansen Protection - Canada

- ☑ AMO Certificate of Approval
- ☑ ISO 9001:2008 (Eng)

**Hansen Protection Quality &  
product certificates**

**When everything else fails...**



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# Immersion Suits



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# Work, Survival or transport suit for all purposes

## The Complete un-matched range:

### Immersion Suits



SeaEco

SeaEco+

SeaNordic

SeaArctic

E-307

### Work Suits



SeaMOB

E300-2

SeaWork

SeaFish

SeaWind

### Transport Suits



SeaAir Europe

SeaAir

SeaAir Barents

SeaAir Training

### Thermal Protection



SeaPass

Ascotherm  
TPA MK 4

### Special Suits



Navy Quick Donning

Army WICS

SeaPilot

SeaRescue

SeaRIB

### Underwear




Underwear



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SOLAS 

RMRS 

MENSAFE 

## SeaEco – *Basic Immersion Suit*

6H Immersion suit for the merchant fleet  
Flame retardant 5 mm neoprene  
Easy donned, waterproof PU-Zip  
Approved reflective patches  
Fixed hood  
Watertight cuffs  
Gloves attached by elastic bands  
Velcro tighteners in legs  
Rubber soles for optimal grip on slippery surface  
Approved as SOLAS insulated immersion suit when used with a lifejacket  
May be vacuum packed for extended service intervals (maximum 10 years)  
When used with SeaLion 275N IMO/SOLAS lifejacket: Men-safe UK Compatible



## SeaEco+ *Basic immersion suit w/ buoyancy*

6H All round Immersion suit  
Buoyancy pillow in back ensures correct floating position and freeboard  
Immersion suit for the merchant fleet  
Flame retardant 5 mm neoprene  
Emergency light  
With buddy line and floating hook  
Lifting strap with stainless steel D-ring and Carabine hook  
Easy donned, waterproof PU-Zip  
Approved reflective patches  
Fixed hood  
Watertight cuffs  
Gloves attached by elastic bands  
Velcro tighteners in legs  
Rubber soles for optimal grip on slippery surface  
May be vacuum packed for extended service intervals  
(maximum 5 years)





## SeaNordic *High quality Immersion suit*

Nato NSN:  
4220-25-  
152-  
3428STD

6H Immersion suit for fishing vessels, merchant ships and offshore installations  
Flame retardant and UV-resistant 5 mm neoprene  
Reinforced seams  
Approved reflective patches  
Inflatable hood for improved water tightness and floating position / freeboard  
Gloves attached with elastic bands  
Watertight cuffs  
Buddy line with floating hook  
Lifting strap  
Approved emergency light  
Velcro tighteners in legs  
Spray shield in hood  
SOLAS approved and in accordance with Marine Equipment Directive 96/98/EC as an insulated immersion suit designed to be worn without a lifejacket  
May be vacuum packed for extended service interval (max 5 years)



# SeaNordic *High quality Immersion suit*

6 h - thermal protection  
Volume regulated hood for better sealing, insulation and buoyancy  
Extra durable, reinforced and flame retardant neoprene  
Specially designed to withstand aging  
Removable gloves attached by elastic  
Integrated spray shield  
Approved for use without a lifejacket

RMRS 

SOLAS 

Transport Canada 



*Inflatable lung in hood  
for improved water  
tightness and freeboard*

## SeaArctic –Offshore Immersion suit

Immersion suit for fishing vessels, merchant ships and offshore installations

Automatic self-righting unit (NMD compliant)

Flame retardant and UV resistant 5mm neoprene

Reinforced seams

Approved reflective tape

Hood with inflatable cushion to improve water tightness and floating position / freeboard

Watertight cuffs

Gloves attached by elastic bands

Buddy line with floating hook

Lifting strap

Approved emergency light

Velcro leg tighteners

Spray shield in hood

Satisfies Norwegian Maritime Directorate Regulation 04 July 2007 No. 853 concerning life-saving appliances and evacuation on mobile offshore units §9, replacing Regulation 11 April 2003 No. 492

May be vacuum packed for extended service interval (max 5 years)





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## E 307-MK II *Nylon Immersion suit*

Immersion suit for fishing vessels, merchant ships and offshore installations

(Main fabric:) PU coated Oxford Nylon, 100% waterproof and flame retardant

Zip in Thermal Liner

3 mm PE foam for insulation and buoyancy

Tape sealed and high frequency welded seams

Waterproof Master-Seal zipper

Adjustable ankle straps

Cuffs with removable neoprene gloves

Dry-suit Boots, Approved emergency light and lifting strap

Buddy line with floating hook

Whistle

Storage bag included

SOLAS approved and in accordance with Marine Equipment

Directive 96/98/EC as an insulated immersion suit designed to be worn without a lifejacket



# AES Work Suits



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Suits for all purposes!

## Hansen Protection AS – New Suit concept

- Construction
- Ergonomy, freedom of movement
- Pre-shaped knees and elbows
- Easy release of excess heat
- For the purpose
- Durability
- Compatibility
- Multi-purpose use & Certifications
- Easy to remove & wash Liners



Freedom Of  
Movement



## SeaWind II

A comfortable and lightweight suit for tough and demanding environments. Designed with focus on ergonomics, light weight and comfort - without compromise. SeaWind is certified by both SOLAS, ISO and EASA. As such it certified for almost every conceivable situation. No other work/survival suit is designed for such a wide a range of uses as SeaWind. The suit is certified for continuous wear, work, shipping and helicopter transport. To comply with helicopter transport certification, the suit must have the lining fitted and be used with certified lifejacket. SeaWind is the first choice for many professional groups, not least for demanding work in connection with the service and maintenance of wind turbines.







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## SeaWind II



- Straight Zip in neck
- Dry suit w/socks for free choice of footwear
- Super lightweight
- Pit-zips under sleeves for ventilation
- Roomy mesh pockets on sleeves & lower legs
- Hood in back pocket
- Pen pocket on upper sleeve
- Gloves in sleeve pockets
- Lifting strap with D-ring and carbine hook in stainless steel
- Whistle
- Buddy line with floating hook
- Breathable fabric in GoreTex
- Internal braces
- Detachable thermal lining (summer or winter)
- To be used with an approved lifejacket
- SOLAS approvals in accordance with the LSA-Code:
  - 1.5a as uninsulated 1 hour suit in watertemp <5°C without lining
  - 1.6c as AES suit with lining
  - 1.5 as insulated 6 hour suit in watertemp <2°C with lining
- Approved according to EASA ETSO 2C-503 and ISO 15027-1 Constant Wear Suit Class A with thermal liner

## SeaWind III

In addition to what is included in SeaWind MKII

Diagonal Zip

Boot cover with reflective tape

Cuff cover on sleeves

Adjustable Neck seal

Automatic release valve

Summer or Winter Liner



## SeaBreeze CTV

A robust, light weight 1-hour work and survival suit for difficult and demanding environments. Designed with focus on ergonomics and comfort, it allows 100% freedom of movement. Made of durable super-breathable material. The suit is ideal for use on board merchant vessels and for transport to and from sea wind farms. For easy integration of safety equipment such as a harness and/or lifejacket, the suit is clean on the chest and back. It has reinforcements in the seat and knees and padding on the lower arms.



## SeaBreeze CTV

Designed with focus on ergonomics, comfort functionality for the purpose. The suit is manufactured in lightweight and yet durable fabrics, making SeaBreeze CTV the ideal transfer and work suit.

- Ergonomic – pre-shaped Y-construction offers excellent freedom of movement
- Breathability – durable HP Superlight fabric with excellent breathable properties
- Lightweight shell to reduce weight
- Waterproof zip in neoprene neck seal for easy donning and comfort
- Roomy watertight pockets placed on each thigh to ensure ease of access
- For easy integration with safety equipment such as harness and/or SeaLion lifejacket, the suit has no details on chest and back
- Socks
- Separate soft comfortable neoprene hood stored in back pocket
- 5 finger neoprene gloves stored in sleeve pockets
- Knee and seat reinforcement
- SOLAS approved 1 hr <5°C water temperature
- ISO 15027-approved 1 hr <5°C or 2 hrs <10°C water temperature
- Should be used with compatible SOLAS- or ISO-lifejacket according to user area



Sea Work is a work suit /constant wear suit developed closely with demanding user groups in the maritime environment.

- Ergonomic construction and detachable thermal liner offer a high degree of flexibility.
- Inbuilt reinforcement fabric, easy access storage pockets, lifting strap, Safety boots, specially designed neoprene seals and integrated hood for enhanced comfort in everyday work.
- Main fabric of highly dirt repellent material ensuring easy cleaning, maintenance and service.
- Reflective patches are placed carefully on the the suit where they will help detection at sea.
- **SOLAS approvals in accordance with the LSA-Code:**
  - 1.5a as uninsulated 1 hour suit in watertemp <math><5^{\circ}\text{C}</math> **without lining***
  - 1.6c as AES suit **with lining***
  - 1.5 as insulated 6 hour suit in watertemp <math><2^{\circ}\text{C}</math> **with lining***

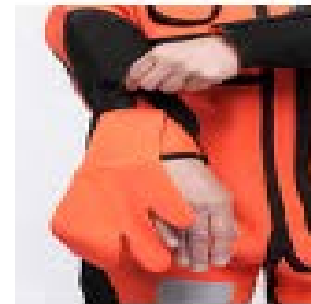
## For rescue Personnel, evacuation and MOB Operations



- Perfect for MOB boats
- Elastic and good fit
- Three fingered gloves in underarm pockets
- Leg tightening zips to adjust fitting
- Integral /manually inflatable buoyancy lung
- Approved for use without a lifejacket



Reinforced  
seat, elbows  
and knees



Three-finger gloves in  
sleeve attached with  
elastic band



Easy donned zipper in PU

## E-300-2 *Anti-Exposure Work suit*

- For heavy duty work on deck and for MOB Operations
- PU coated, flame retardant, waterproof Oxford nylon
- 3 mm buoyancy foam with closed cells for insulation and buoyancy
- Detachable inner lining
- Watertight zip (metal)
- PU reinforcements on elbows, knees and seat
- Boots with steel toe cap
- Cuffs with adjustable straps
- Gloves in sleeve pockets
- Integral lifting loop with stainless steel D-ring and carbine hook
- Zip and elastic panels in legs for tight fit
- Buddy line with floating hook
- Whistle and emergency light
- Double entry thigh pockets
- 9 reflective patches
- Neoprene gloves
- SOLAS approved and in accordance with Marine Equipment Directive 96/98/EC (MED-B) AES (Anti Exposure Suit), designed to be worn without a lifejacket

Nato NSN  
:4220-25-  
126-4424



# Defense Suits & Life jackets



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# SeaRescue Tactical TS



This super slim suit is targeted for demanding users groups within rescue services and first responders/special forces in the military and police.

The suit is a result of year-long development process and testing in partnership with users in the target groups mentioned above.





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Based on HP's unique basic design for the best possible freedom of movement

The construction has now been taken a step further with a narrower basic pattern to avoid excess fabric around your body

To further improve freedom of movement, one has been added a telescope solution in the waist. This solution provides improved freedom of movement, and also a unique flexibility in terms of sizes. A Medium size suit fits both a person of 175cm high (Normal size Medium) and a person of 195cm (XL).

The telescopic solution is adjusted to fit your height with the internal elastic braces.

Produced in GoreTex Nomex III, the best combination of Fire retardancy, durability and breathability. The suit can also be created in other fabric if required. • Adjustable or fixed neck seal

Fixed neck seal in latex/silicone or in neoprene

Waterproof zipper on the back

Relief zipper in front

MOLLE on both sides of the upper chest for mounting of optional communication equipment

Astra patches on the chest for attachment of e.g. ID

Unique seat construction without seams eliminates wear points and improves mobility

## NavyLife Lifejacket



**Nato  
NSN:  
4220-25-  
152-7123**

Our NavyLife lifejacket is manufactured according to EN ISO 12402 (EN399) and, amongst others, is used by the Royal Norwegian Navy. Buoyancy is provided by a permanent and an inflatable unit, which has a hydrostatic Hammar inflator that is not triggered by seaspray but will automatically inflate when immersed in water, according to a pre-defined depth. Buoyancy is minimum 275N. The lifejacket is donned like a regular jacket. It is closed in front with buckles and Velcro. A neoprene hood is attached to the neck.

The Navy lifejacket is a one-size garment, based on solid buoyancy material and an automatic inflatable lung. The lifejacket is put on as an ordinary coat. It's closed in the front by Velcro fasteners, and it is tightened around the chest and waist by two tightening bands with buckles. The lifejacket has a neoprene hood, which is fixed to the back of the neck area, and is pulled over the head. The buoyancy arrangement of this lifejacket consists of a solid and inflatable part. The permanent buoyancy represents minimum 80 N and the automatic inflatable part minimum 195N, which gives a total of 275N buoyancy. The lifejacket is made in accordance with ISO EN 12402 (EN 399) standard

## Navy Quick Donning Suit



**Nato NSN:  
4220-25-  
151-3296**

A special thermal protective suit for European navies and coast guard services. The suit is manufactured in flame retardant fabric and is certified for one hour when used in combination with certified lifejacket. The suit can be used with the wearer's own footwear and is delivered vacuum packed in a waist bag.

Thermal protective suit for vessels in naval, defence and civil service

Outer layer of 100% waterproof, durable and flame retardant fabric

Watertight curved front zipper from shoulder to shoulder

Insulated neoprene hood

Neoprene cuffs

Detachable 3 finger gloves

Double leg straps

To be used over clothing and shoes

IMO/SOLAS approved as uninsulated survival suit

To be used with an approved lifejacket

For persons 150 - 200 cm

Delivered vacuum-packed in a waist bag

# Lifejackets, Passenger suits & TPA's



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## AeroPro HP Leisure 165N Auto

SeaLion Leisure is an inflatable lifejacket, with a UML automatic inflator, and is primarily intended for the leisure craft market, but may also be used in work situations where a double chambered IMO/Solas lifejacket is not mandatory. The Norwegian Society for Sea Rescue (NSSR) supplies a similar lifejacket to the domestic market. The standard model comes with quick drying fleece around the neck, back support and crotch straps for increased comfort and safety. Certified in accordance with ISO 12402-3.

- AeroPro 165N is an inflatable lifejacket with automatic UML-inflator with 33g CO<sub>2</sub> cylinder
- Standard model is delivered with soft fleece in neck for comfort
- The lifejacket is padded with spacer mesh on the part towards the body for comfort
- Crotch strap for safety
- Complete back piece (also padded) for better distribution of load
- High quality lifejacket, made in EU
- Inflated bladder provides minimum 165N buoyancy
- Cover in black Condura



## SeaLion Series –Inflatable Lifejackets

Our collection of SeaLion Solas lifejackets is designed for users with high demands on function and comfort. These lifejackets can be used in combination with our survival suits and are available with either 150N or 275N buoyancy and certified in accordance with SOLAS' LSA Code. The 275N Offshore version is equipped with a spray hood. SeaLion lifejackets are designed to inflate automatically when they come in contact with water and contribute to turning the body face up in the sea.



## Facts

- Lightweight and comfortable, construction with focus on comfort
- Contoured around head and neck
- Rough, durable cover fabric in black nylon
- Easy operated front buckle in stainless steel
- Adjustment of waist webbing in the side
- Crotch strap prevents ride-up of the lifejacket
- HalkeyRoberts inflators - water activated (automatic)
- Retro reflective tape (SOLAS)
- Whistle, lifting loop, emergency light and buddy line
- Double buoyancy bladder in high-vis material
- Asymmetric buoyancy bladder prevents waves from washing over the face and ensures the self-righting performance (Wave Barrier Technology)
- Sprayhood – for safe breathing in rough sea and protects eyes from seabirds

***The SeaLion 275N lifejacket complies with the Mensafe Test Protocol (HSE-UK) when used together with our SeaEco Immersion Suit.***





## SeaLion SOLAS 300N Fall Arrest Lifejacket

Twin Chamber SOLAS lifejacket is specially designed for attachment to fall arrest harnesses. The design of the jacket allows the safety hooks of the fall arrest harness to be free for attaching the fall arrest lines, both on the front and back. At the back side the specially shaped Y-style backstrap gives space for the safety hook of the fall arrest harness. Special loops on the backside of the lifejacket is fitted, so the lifejacket can be looped onto the fall arrest, for easy donning and perfect fit. The small and tailored design gives a perfect body fit. The outside cover is of strong synthetic wipe-clean, hi-vis fabric. This is easy to clean and extremely durable. The lifejacket provides 300N buoyancy, so the jacket is suitable for: Extreme weather, offshore and open sea when wearing heavy protective and waterproof clothes/equipment.

Special straps with snap fasteners to attach lifejacket to fall arrest

- A comfort fleece collar, for optimum neck comfort
- A double crotch strap, to secure the lifejacket onto the body
- A strong YKK zipper closing, to keep the bladder in place
- UML ProSensor
- Approved in accordance with the latest SOLAS/MED/LSA requirements.
- IMO resolution A689(17) as amended by resolution MSC 81(70), MSC 200(80) and MSC226(82).



## SeaLion Smart Clean 150N

SeaLion lifejackets are designed for users with high demands on function and comfort. This lifejacket can be used in combination with our work/immersion suits and provide 150N buoyancy. The lifejacket is manufactured in PVC material that is easy to wipe off and clean. SeaLion 150N lifejacket is designed to inflate automatically in contact with water and contribute to the turning of the body face up also when wearing a suit. The hydrostatic inflator mechanism will make sure that the lung will not inflate unintended. Certified in accordance with ISO 12402-3

- Lightweight and comfortable, construction with focus on comfort
- Contoured around head and neck + soft neoprene in neck
- Rough, durable cover fabric in orange PVC
- Easy operated front buckle in plastic
- Adjustment of waist webbing in the side
- Hammar inflator - water activated (automatic)
- Retro reflective tape (SOLAS)
- Whistle, lifting loop and emergency light
- Crotch strap
- Double buoyancy bladder in high-vis material



## SeaLion Fluorescent Yellow ISO 150N

SeaLion redningsvester er laget for brukere med høye krav til funksjon og komfort. Vesten kan brukes i kombinasjon med arbeids-/redningsdrakter og har 150N oppdrift. SeaLion vestene blåses opp automatisk når de kommer i kontakt med vann og bidrar til å snu kroppen rundt slik at man blir liggende med ansiktet opp. Vesten er sertifisert i henhold til ISO 12402-3.

- Lett og komfortabel, konstruert med fokus på ergonomi
- Kontursydd rundt hode og nakke + myk neopren i nakken
- Slitesterkt yttermateriale i fluoriserende gul
- Letthåndterlig frontspenne plast
- Justering av livrem på sidene
- UML utløser mekanisme, aktiveres automatisk ved kontakt med vann
- Refleks på lungen (SOLAS)
- Fløyte, løftestropp og lys
- Skrittstropp
- Dobbelt oppdriftslunge i hi-vis materiale
- Servicevennlig - oppdriftslunge som lett kan skilles fra yttertrekket
- MERK! Lunge og yttertrekke kan enkelt demonteres - sparer kostnader over produktets levetid



## SeaLion Alu FR ISO 150N

SeaLion Alu FR lifejacket are designed for users with high demands on function and comfort. The lifejacket is ISO Approved and specially designed for environments with high temperatures. The lifejacket cover is made material which is inherently flame retardant and heat reflective. The lifejackets will inflate automatically in contact with water and contribute to the turning of the body face up also when wearing a suit. SeaLion lifejackets are designed as combined working / abandonment lifejacket. Certified in accordance with ISO 12402-3.

- Lightweight and comfortable, construction with focus on comfort
- Contoured around head and neck + soft neoprene in neck
- Rough, durable cover fabric in flame retardant and heat reflective material
- Easy operated front buckle in plastic
- Adjustment of waist webbing in the side
- Hammar inflator - water activated (automatic)
- Retro reflective tape (SOLAS)
- Whistle, lifting loop and emergency light
- Crotch strap
- Double buoyancy bladder in high-vis material
- Service friendly - buoyancy bladder may easily be detached from cover



## SeaPass Passenger Suit



Our most lightweight survival suit. SeaPass is an uninsulated IMO SOLAS immersion suit approved for 1 hour thermal protection in watertemperature below 5° Celsius. Ideal for installation onboard passenger vessels or as an additional insurance onboard in leisure craft. The suit must be used in combination with a certified lifejacket. SeaPass can be vacuum packed and takes minimal space on board. When vacuum packed by Hansen Protection, we recommend extended service interval to 10 years. The suit can be used with the wearer's own shoes either on the outside or inside the suit. The SeaPass complies to the latest Polar Code requirements for passenger vessels.



Neoprene hood



Waterproof fan  
underneath front zip



Adjustable ankle  
strap



Shoes can be worn both  
inside and outside suit

## Ascotherm - the industry standard for TPA's

- The design is outstanding; all seams are welded and 100% water-tight.
- The inside layer is metallized to retain body heat. Web reinforcement allows unconscious survivors to be carried while in the TPA.
- Long zip for easy donning. Able to accommodate a mother and small child.

- Designed to keep survivors warm and protected against rain, wind and cold in liferafts and lifeboats
- Ascotherm is currently one of the most successful designs of TPA available today
- All Ascotherm comply with the Marine Equipment Directive of the European Community 96/98/EC, and meets all the standards of the SOLAS 74/83, IMO Res. MSC 48 (66), IMO Res. MSC 81 (70), and MCS 226(82)
- MK IV is additionally approved by Transport Canada and US Coast Guard (USCG)
- All seams are taped and 100 % water-tight.
- Linner laminate is metallized to retain body heat.
- Web reinforcement allows unconscious survivors to be carried while wearing the TPA.
- Long zip for easy donning. Able to accommodate a mother and small child
- A lifejacket should always be worn in conjunction with a Thermal Protective Aid (TPA)

**SOLAS**



# SAR SUITS



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## SeaSwim MSAD II

SeaSwim MSAD III is designed for surface swimming and shallow water dives. The suit is offered with an optional, innovative adjustable neck seal solution. Developed in cooperation with Matt Skuse in NSSR (Norwegian Society for Sea Rescue).





## Facts:

- Carefully constructed in close cooperation with SAR personnel with experience from a wide variety of tasks:
  - – Y-construction – articulated seat and knees – good fit
  - Adjustable Neck seal- 100% waterproof seal is achieved with a simple maneuver
  - Offers the user comfort and ventilation in transit periods without doffing the suit
  - Waist adjustment with velcro/elastics to secure individual fit
  - Fabric: - GoreTex Pazifik - HP Superlight
  - Velcro for attachment of name tag
  - Highly durable and easy running waterproof zip in soft PU/Plastic from TiZip
  - Pockets on thighs for knife and pocket-light (LED Lenser)
  - Additional pocket on chest and pen pocket on upper sleeve
  - "HP-square" on left sleeve for attachment of torch or other personal equipment
  - Roomy, bellowed thigh pocket
  - Neoprene 5-finger gloves in sleeve pockets and hood in easy accessible back pocket
  - Reinforced front panel on lower leg
  - Option for extra reinforcement material in seat (laminated PA-polyacrylic)
  - Pockets for placement of optional knee pads inside suit
  - Detachable elastic braces inside for ease of use in non-exposed situations
  - Hanger loops inside suit for easy storage
  - Delivered standard with Solas reflective tape. First responder reflective tape (checkered) may be chosen

## SeaRescue Neoprene

SeaRescue is a special suit for surface rescue swimmers and SAR crew. The concept was developed in cooperation with the Norwegian Royal Air Force 330 Squadron (Rescue Service). The suit is made from 5mm neoprene with a heat-reflecting Titan inner lining that provides both warmth and buoyancy. The suit has many practical and functional features that make it well adapted to meet the needs of many different types of emergency services. Among other things, the integral boots can be used in combination with flippers. SeaRescue is the first choice for SAR crew who works in cold conditions.





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## SeaRescue Neoprene

- Surface Operations Suit developed for rescue crews
- 5 mm waterproof neoprene providing insulation and buoyancy
- Heat reflecting neoprene - Titan laminated lining
- Double-welded seams and reflective tape
- Diagonal watertight zip with separate neoprene neck seal
- Manual/oral inflation valve for regulating buoyancy and insulation
- Neoprene cuffs
- Detachable hood, gloves and bag
- Pocket for hood and gloves
- Radio pocket
- Pen pocket
- Lower leg reinforcement in PU laminate
- Boots for use with flippers
- The preferred suit for SAR crew in cold operations





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## SeaRescue II

SeaRescue II is specially designed suit with features for rescue work in rivers and on ice; - and for rescue swimmers in general. The suit is reinforced in exposed areas such as the knees, seat and elbows. Its unique construction gives the user full freedom of movement. Choose between fixed latex neck-seal or adjustable neoprene neck seal.



## SeaRescue II

- Fabric HP Superlight 3L
- Diagonal PU Zipper -TiZip Masterseal
- Detachable elastic braces for individual adjustment
- Reinforced seat, elbows and knees for maximum durability
- Spacious thigh pocket as well as pockets on the sleeves
- Neck and sleeve seals in latex for maximum water tightness
- Protective cuffs for neck & hand cuffs
- Option :adjustable neck seal in
- Unique construction provides good fit and maximum freedom of movement
- Integral rubber and neoprene boots with soft sole for good mobility and protection
- Suitable for use with flippers
- Strong loop inside for easy storage when not in use
- Automatic valve on sleeve / shoulder ensures maximum evacuation of air from the suit



# Vakuüm Packing of immersion suits



**HANSEN**  
PROTECTION



# Sea Pass Passenger Suit TPA

Varmeisolerende klær og fottey under drakten øker komfort og overlevelsestid  
 Warm insulating clothing and footwear under the suit increases comfort and survival time

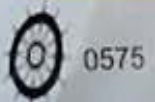


Advarsler for bruk ved evakuering.  
**MÅ IKKE FJERNES!**  
 Do not take off the suit as a cover up on top of your own clothes.

Emergency equipment for use by evacuation only.  
**DO NOT REMOVE!**  
 Do not take off the suit as a cover up on top of your own clothes.

Leitningsanvisning for Evakuering.  
**NYTT ENTFERNE!**  
 Do not take off the suit as a cover up on top of your own clothes.

Équipement de secours à utiliser en cas d'évacuation.  
**NE PAS DÉPLACER!**  
 Do not take off the suit as a cover up on top of your own clothes.



EC Certification  
 MED-B-7291

**1**



Stig I med en fot om gangen, stram ankelstroppene.  
 Insert one leg at a time, tighten ankle straps.  
 Ein Bein zur Zeit anziehen. Befestigen der Bänder an den Ankeln.  
 Introduire les pieds un à un, serrer aux chevilles à l'aide des brides.

**2**



Tre i armene.  
 Insert arms.  
 Anziehen der Ärmel.  
 Introduire les bras.

**3**



Stram til halsen på frontdekk.  
 Tighten up the neck string on the front cover.  
 Festziehen der Halsleine am Vorderlatz.  
 Serrer le cordon du cou sur la languette.

**4**



Skjev frontdekk inn bak glidelåsen.  
 Place the frontcover behind the zipper.  
 Vorderlatz hinter den Reißverschluss schieben.  
 Veller à ce que la languette soit placée bien à plat derrière la fermeture éclair.

**5**



Ta på hatten og lukk drakten ved å dra opp låsen.  
 Put on the hood and close the suit by pulling up the zip.  
 Aufsetzen der Kapuze und verschließen des Anzuges mit dem Reißverschluss.  
 Presser la capuche et fermer la combinaison en remontant la fermeture éclair.

**6**



Trekk vesten ned over hodet.  
 Pull the life jacket down over your head.  
 Die schwimmweste über den Kopf ziehen.  
 Enfiler le gilet en faisant passer sur votre tête.

**7**

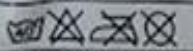


Før belte bak ryggen og gjennom spennen. Stram godt til.  
 Pass the belt behind your back and through the buckle. Tighten well.  
 Den Gürtel hinter den Rücken und durch die Schnalle führen. Stramm anschließen.  
 Ramener la ceinture sur le dos et l'introduire dans la boucle de fermeture. Serrer bien fort.

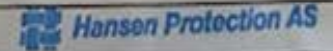
**8**



Ved hopp fra stor høyde, hold fast over vesten som figur viser.  
 If you jump from a large height, hold the life jacket as shown in the figure.  
 Bei sprung aus großer Höhe, die schwimmweste so festhalten, wie in der Abbildung dargestellt.  
 En cas de saut de très grande hauteur, tenir fermement le gilet comme indiqué sur le figure.



Service Station



**Hansen Protection AS**

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 e-mail: [hpo@hansenprotection.no](mailto:hpo@hansenprotection.no) Web: [www.hansenprotection.no](http://www.hansenprotection.no)

Company Name:

Pakket/  
 Packed by: HS

Date/Date: 4/12-2015

Next service:

Drakt/Suit NR./No: A-15-11-0505

Størrelse/Size: 100-150cm

(150-200cm)

RIV  
 TEAR

VOKSEN/ADULT  
 ALTER/ADULTES  
 150cm - 205cm



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# Why Vacuum Packing?

- **Extended service intervals**
- **For SeaEco suits to 10 years !**
- **SeaEco+ , SeaNordic & SeaArctic suits and E307-MKII 5 year service interval**
- **Suit appearing brand new when opened**
- **Minimal risk for additional service & repair costs**
- **Better value for the money**
- **Reduced storage size: 65x30x15 (Eco)**
- **No service fee for 10 or 5 years**
- **No logistic costs for 10 or 5 years**
- **100% water tight packing**
- **100% air tight packing**
- **100% protected from sunlight**
- **66,67% saved service cost with 10 year vacuum packing**
- **33,33% Saved service cost for 5year vacuum packing.**



# Your last line of defence



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