



Personal Life Saving Equipment for
OFFSHORE OIL & GAS ● WIND ENERGY ● SAR



SEA SURVIVAL

- Helicopter passengers, crew and pilots
- Specialized equipment for SAR services



Personal Life Saving equipment for OFFSHORE OIL & GAS - WIND ENERGY - SAR

Hansen Protection AS is a world leading manufacturer of equipment of survival suits and equipment for the offshore helicopter market. We provide all necessary equipment for fulfilment of services related to crew and personnel transfer over hostile waters. Hansen Protection's equipment is in daily use in the main offshore markets worldwide.

Building on this experience, Hansen Protection has developed a full range of helicopter pilot/crew and SAR equipment for users with the highest expectations.

Excellent freedom of movement and functionality in normal work situations has been focus in the design of our suits. Our choice of durable, waterproof/breathable materials and functional features provides comfort in all conditions, - and not least in the unfortunate event of an accident.

All equipment is approved according to the latest EASA ETSO regulations. Further on our Emergency Breathing System (SeaAir EBS) is approved by CAA-UK as a Category A system with supreme freezing protection in water temperatures around zero degrees Celsius.

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Sprayshield for protection against water and birds



HP'S unique emergency breathing system



Manually inflatable lung for comfort and freeboard



Integrated three finger glove with waterproof zip



The most «intelligent» suit – ever!

- Outer layer of 100% waterproof, flame retardant fabric
- The only integrated helicopter passenger suit on the market, no extra lifejacket required
- IMO / SOLAS + ETSO
- Good fit. Insulated. Temperature regulating lining
- Approved as an ordinary survival suit
- Integral soft boots
- ERBS or HUEBA integrated
- Integral PLB (HPL-2)
- Integral / inflatable buoyancy

SeaAir OFFSHORE/TRANSPORT SUIT/IMMERSION SUIT
COLOURS: 290 Orange
SIZES: XS-4XL

- 6 h thermal protection
- For offshore, helicopter transport and as a personal abandonment suit on installations
- Outer layer of 100% waterproof, flame retardant fabric
- Inner lining that provides insulation and buoyancy.
- An “intelligent” lining fabric stabilise the inside temperature of the suit and reduces body heat significantly
- Double-welded seams and approved reflective tape
- Approved emergency light, buddy line, integrated lifting strap and open collar for rescue
- Insulated three finger gloves with waterproof zipper and inside cuffs with pulse warmer
- Lightweight and soft fixed boots with extra insulation
- Integrated manually inflatable buoyancy lung and emergency re-breathing system (ERBS)
- Prepared for NMD-approved automatic self-righting system
- Designed for optimized sitting comfort
- Prepared for integrated HPL-2 Personal locator beacon (PLB)
- Super elastic neoprene hood
- Integrated sprayshield
- Certified for aviation application according to ETSO 2C502 as an integrated helicopter passenger immersion suit
- SOLAS approved as LSA-code section 2.3 Insulated Immersion Suit and certified according to NMD requirements for Offshore Immersion Suits

SeaAir OFFSHORE/TRANSPORTDRAKT/REDNINGSDRAKT
FARGER: 290 Orange
STR: XS-4XL

- 6 t termisk beskyttelse
- For offshorebruk, helikoptertransport og som personlig redningsdrakt på offshore-installasjoner
- Yttermateriale av 100% vanntett, flammehemmende materiale.
- Innvendig fôr som isolerer og skaper oppdrift
- Et “intelligent” materiale stabiliserer temperaturen inne i drakten og reduserer svetting betydelig
- Dobbelsveisede sømmer og godkjent reflekse
- Godkjent nødlys, kameratline, integrert løftestropp og løftekrage for redning
- Isolert hanske med vanntett glidelås og innvendig mansjett med pulsvarmer
- Lette og myke støvler med ekstra isolering
- Integrert manuelt oppblåsbar lunge og nødpustesystem (ERBS)
- Forberedt for NMD-godkjent automatisk selvrettingssystem
- Designet for optimal sittekomfort
- Forberedt for integrert HPL-2 personlig nødpeilesender (PLB)
- Hette i superelastisk neoprene
- Integrert sprutbeskyttelse
- Sertifisert for bruk i luftfartøy i samsvar med ETSO-2C502 som integrert helikopterpassasjerdrakt,
- SOLAS-godkjent i samsvar med LSA Koden del 2.3 Isolert redningsdrakt og sertifisert iht Sjøfartsdirektoratets krav til offshore redningsdrakter uten redningsvest

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SOLAS

ETSO

RMRS

SOLAS

ETSO

RMRS

Art nr.	Drakt str.	Lengde cm	Sko str.	Vekt
Art. no	Suit size	Height cm	Shoe size	Weight
85336	XSW	157-164	35-36/37-38	5,7
85336	S / SW	163-170	39-40/41-42	6,1
85336	M / MW	169-176	41-42/43-44	6,6
85336	L	175-182	43-44/45-46	7,0
85336	XL	181-188	43-44/45-46	6,6
85336	XXL	187-194	45-46	7,1
85336	XXXL	193-200	47-48/49-50	7,1
85336	XXXXL	199-206	47-48	7,1



HANSEN
PROTECTION

Prepared for variant with Cat A EBS according to Cap 1034 compressed air emergency breathing system



HPL-2 (PLB) with homing on 121,5 MHz and AIS-SART (MOB) for improved localisation



Fits only in HPL antenna pocket



Orientation light on glove



- SeaAir Barents is a further development of SeaAir.
- Some adjustments are made to enhance performance in Arctic waters
- SeaAir Barents er en videreutvikling av SeaAir.
- Funksjon og design er likt som SeaAir. Noen tilpasninger er gjort for å være enda bedre i arktiske farvann

- **Skin guard on neck seal**
To prevent the zipper from scratching the skin
- **Lining with new socks**
To increase thermal protection
- **Longer wrist cuffs**
To increase thermal protection
- **Color of gloves and hood changed from black to orange**
To improve visibility
- **Light pocket with light on left glove**
To improve visibility
- **Color of webbing changed from black to yellow on exposed areas of the suit**
To improve visibility
- **Relocation of reflective material**
To improve visibility
- **Wire in sprayhood**
For better grip
- **Skin guard i halsen**
forhindre at glidelåsen skraper på huden
- **Nye sokker i fôret**
for økt termisk beskyttelse
- **Lengre cuffs på armene**
for økt termisk beskyttelse
- **Hansker og hette i endret farge fra svart til orange**
for bedre synlighet og økt termisk beskyttelse
- **Lyslomme med lys i venstre hanske**
for økt synlighet
- **Webbing endret fra svart til gul på utsatte steder**
for økt synlighet
- **Flyttet reflektivt materiale**
for økt synlighet
- **Wire i sprayhood**
for enklere grep

SOLAS

ETSO

RMRS

Art nr.	Drakt str.	Lengde cm	Sko str.	Vekt
Art. no	Suit size	Height cm	Shoe size	Weight
85338	XSW	157-164	35-36/37-38	5,7
85338	S/SW	163-170	39-40/41-42	6,1
85338	M/MW	169-176	41-42/43-44	6,6
85338	L	175-182	43-44/45-46	6,6
85338	XL	181-188	43-44/45-46	7,0
85338	XXL	187-194	45-46	7,1
85338	XXXL	193-200	47-48/49-50	7,1
85338	XXXXL	199-206	47-48	7,1

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Lifting strap with stainless steel D-ring and carabine hook

SeaAir Training - dedicated training suit for Norwegian Oil & Gas/OPITO certified HUET training

- Outer layer of 100% waterproof, PU-coated material
- Based on the SeaAir IMO/SOLAS and ETSO approved suit - adjusted for daily training
- Double welded seams and approved reflective tape
- Approved emergency light, buddy line, integrated lifting strap and open collar for rescue
- Insulated three finger gloves with waterproof zipper and inside cuffs with pulse warmer
- Lightweight and soft fixed boots with extra insulation
- Optional manually disposable inflatable buoyancy lung.
- Emergency re-breathing system (ERBS) with disposable training lung
- Hood in super elastic neoprene laminate
- Sprayhood - detachable
- We recommend two inner linings per training suit

SeaAir TRAINING COLOURS: 290 Orange SIZES: S - XXL

- Training replica of the ETSO & IMO Solas approved SeaAir suit, adjusted and reinforced for everyday use in HUET training centers
- Reflects the suit used in everyday helicopter transportation
- Used in HUET training centers in Scandinavia, EU and Russia
- Deviations from the original SeaAir-suit:
 - Reinforced and simplified for durability
 - Reflective patches sewn to the suit
 - Size range reflects the most commonly used sizes in actual transportation
 - Automatic release mechanism eliminated for repeated use and simplified maintenance.

OPTIONAL:

- Special Emergency Breathing System for training
- Disposable breathing lungs for training are easily mounted in the suit
- Disposable buoyancy lung for increased free board optional. Collar modified for simple installation.
- Special and durable lining for training (two linings recommended per suit). No zip-in.
- Antenna bracket for HPL eliminated HPL-antenna can be supplied as loose demo unit

SeaAir TRENINGSDRAKT FARGER: 290 Orange STR: S - XXL

- Treningsdrakt-variant av ETSO & IMO Solas godkjent SeaAir, justert og forsterket for hard, daglig bruk i HUET treningssentre
- Gjenspeiler drakten som benyttes i daglig helikoptertransport
- Benyttes i HUET treningssentre i Skandinavia, EU og Russland
- Endringer i forhold til original SeaAir
 - Forsterket og forenklet for slitestyrke
 - Påsydde reflekser
 - Størrelsesinndeling gjenspeiler de mest brukte størrelser i daglig transport
 - Automatisk utløsermekanisme tatt bort for gjentatt bruk og forenklet vedlikehold

LEVERES SEPARAT:

- Nødpustesystem for trening
- Engangs-pustelunger for trening kan enkelt monteres og demonteres
- Engangs-pustelunge for økt fribord. Krave modifisert for enkel montering.
- Treningsfôr i enklere, mer robust utførelse uten zip-in (to fôr anbefalt pr drakt)
- HPL-antenne kan leveres som løs demo-enhet

Art nr.	Drakt str.	Lengde cm	Sko str.
Art. no	Suit size	Height cm	Shoe size
20171/20172 *	S	163-170	41/42
20171/20172 *	M	169-176	43/44
20171/20172 *	L	175-182	45/46
20171/20172 *	XL	181-188	45/46
20171/20172 *	XXL	187-194	45/46

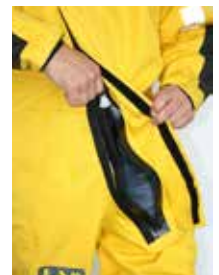
* Yttertrekk/treningsfôr



Approved to be used with SeaLion Europe lifejacket

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Mesh pockets to provide maximum breathability



Vertical PU zipper with flap



Gloves in sleeve pockets



Orange neoprene hood in leg pocket



GORE-TEX®



SeaAir Europe - Offshore helicopter passenger safety concept

- EASA ETSO approved immersion suit and lifejacket with EBS
- 4 h – thermal protection
- HP SeaAir Europe concept designed for passenger (& pilot) comfort and safety in over water flights with helicopter. The design is focused on a construction with ease of movement and light weight.
- The suit is designed to work in conjunction with compatible SeaLion Europe Lifejacket. The two products form a complete safety system for helicopter passengers flying offshore.

SeaAir EUROPE COLOURS: 300 Yellow SIZES: XS – 3XL

- The suit consists of an outer shell and a thermal lining in highly flame retardant fabrics
- Soft and FR GoreTex Nomex III outershell for safety and comfort
- Available with round and vertical zip versions
- Vertical, soft PU zip (Tizip MasterSeal)
- Soft and highly elastic neoprene closures combining comfort and watertightness
- Feet in main fabric open for choice of footwear/boots
- Cargo pockets on knees and sleeves with room for hood and gloves in addition to personal belongings
- Sizes ranging from XS to 3XL fits 99% of all travellers
- Thermal zip-in lining in highly fire resistant Aramid fibres.
- Silver+ treatment for extra microbiological protection
- SeaAir Europe Suit is approved according to EASA ETSO 2C-503 standard

ETSO

SeaAir EUROPE FARGER: 300 Yellow STR: XS - 3XL

- Drakten består av ytterskall og termisk fôr i meget flammehemmende materiale
- Ytterstoff i myk og FR GoreTex Nomex III for sikkerhet og komfort
- Kan leveres med både buet og vertikal glidelås
- Vertikal glidelås i myk PU (TIZIP Master Seal)
- Myk og svært elastisk neopren som kombinerer komfort og vanntetthet
- Sokker i hovedstoff muliggjør eget valg av skotøy/støvler
- Cargo lommer på knær og ermer med plass til hette og hansker i tillegg til personlige eiendeler
- Størrelser fra XS til 3XL passer 99 % av alle reisende
- Termisk zip-in fôr i sterkt flammehemmende aramidfibre.
- Silver+ behandling for ekstra mikrobiologisk beskyttelse
- SeaAir Europe Suit er godkjent i henhold til EASA ETSO 2C-503 -standarden

ETSO

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Art.nr	Art. no	Size	XS	S	M	L	XL	XXL	3XL
85458	Body height (body measurement)		140-158	157-164	163-170	169-176	175-182	181-188	187-194



SeaAir Europe Training Suit



Easily exchangeable cuffs and neck seal



Low profile automatic exhaust valves on shoulders



SeaAir Europe Training Suit Helicopter Pilot & Passenger Training Suit

- Extremely durable and ergonomic pilot/passenger training suit. Suit is equipped with a long diagonal PU-zip for easy access.
- Shell fabric in highly tear and wear resistant PU-coated Nylon Oxford. Same fabric used in training suits in Norway since 2010 with excellent record.
- Suit is specially designed for use in training to withstand chlorinated water and repeated use throughout the training week.
- The innovative Quick Neck & Cuff Solution is a unique optional feature of the SeaAir Europe Training Suit. Cuffs and neck seal may be supplied in either latex or smooth-skin neoprene. The modular Quick Solution allows for easy replacement of both neck seal and cuffs and reduces repair and service costs of your suit.
- For safe expulsion of excess air in the suit, automatic profile dump valves are mounted on each shoulder. The dump valves are low profile to avoid snagging. Loose neoprene hood in thigh pocket.
- To be worn with compatible lifejacket (SeaLion Europe passenger/Pilot Lifejacket).

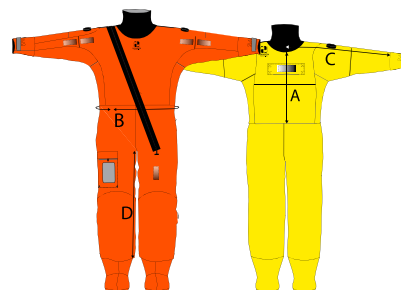
SeaAir Europe Training Suit COLOURS: 290 Dark Orange/350 Yellow SIZES: XS – 2XL

- Constructed for flexibility in use and in daily maintenance
- Outer shell in PU-coated Nylon Oxford – extremely durable
- Suit with diagonal WP-zipper and separate neck seal
- Unique modular Quick Cuff & Neck Solution - Easily exchangeable cuffs and neck seal reduce service costs
- Option for choice of permanently attached neck seal and sleeve cuffs
- Hood in thigh pocket
- Gloves attached in sleeve pockets
- Donning instructions on thigh pocket
- Socks for flexibility with regards to choice of sizes
- Durable waterproof zip in PU (TIZIP Master Seal)
- Low-profile automatic exhaust-valves on shoulders
- Choice between latex or neoprene in cuffs and neck seal
- Suit materials proven to last for years when used in chlorinated water

Size	XS	S	M	L	XL	XXL
A. Back length to waist	52	55	58	60	62	64
B. Waist/Hip	102	108	116	124	132	140
C. Sleeve, From center back to wrist	84	85	86	87	89	90
D. Inseam	68	71	74	77	80	83
Body height (body measurement)	157-164	163-170	169-176	175-182	181-188	187-194
Boot size	39	41	43	46	46	46

SeaAir Europe Training Suit FARGER: 290 Dark Orange/350 Yellow STR: XS – 2XL

- Konstruert for fleksibilitet i bruk og daglig vedlikehold
- Yttermetervare i PU-belagt Nylon Oxford - ekstremt slitesterkt
- Drakt med diagonal vanntett lås og separat halslukning
- Unik modulær Quick Cuff & Neck løsning - Enkel utskiftning av erm og halsmansjett reduserer servicekost
- Mulighet for valg av permanent monterte erm- og halsmansjetter
- Hette i lårlemme
- Hansker festet i ermelommer
- Påkledningsinstruks på lårlemme
- Sokker gir fleksibilitet med hensyn på valg av størrelser
- Solid vanntett lås i PU (TIZIP Master Seal)
- Lavprofil eksos-ventiler på skuldrene
- Valg mellom latex og neoprene i mansjetter og halslukning
- Draktmaterialer og tilbehør har blitt utprøvd i årevis ved bruk i kloret bassengvann



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Compatible with
SeaLion lifejacket



Whistle in
sleeve pocket



Lifting strap with D-ring
and carabineer hook.

GORE-TEX®



For tough and demanding environments – comfortable and lightweight. Designed with focus on ergonomics, weight and comfort – without compromise

- Ergonomic – pre-shaped construction with 100% freedom of movement
- Breathability – durable fabrics with highly breathable properties from GoreTex
- Lightweight – made as a shell product to reduce weight
- Ventilation – pit-zips (underarm-zips) to enhance ventilation in controlled situations
- Waterproof zip in neck seal for easy donning and comfort
- Pockets – roomy pockets constructed with mesh to enhance the breathable properties of the fabric, placed to ensure ease of access
- For easy integration with safety equipment such as harness and/or SeaLion lifejacket, the suit is “clean” on both chest and back
- The suit fulfills the requirements of the IMO/Solas LSA code, and ISO 15027-1 as a 1 hour immersion/quick donning suit (without lining)
- SeaWind fullfills the requirement for a Class B-suit (4 hours thermal protection) in ISO15027 and ETSO regulations (when used with lining)

**SeaWind - IMMERSION SUIT/
CONSTANT WEAR SUIT
COLOURS: 300 Yellow
SIZES: XS - XXXL**

- Construction allows freedom of movement
- Dry suit w/feet
- May be equipped with safety boots
- Pit-zips under sleeves for ventilation
- HiVis colour
- Roomy mesh pockets
- 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
- To be used with an approved lifejacket
- Solas-approved according to LSA Code, as a 1 hour immersion suit (uninsulated) and ISO 15027-1 Constant Wear Suit Class B as ETSO 4 hour with innerlining.

**SeaWind - ARBEIDS-/REDNINGSDRAKT
FARGER: 300 Gul
STR: XS-XXXL**

- Konstruert for best mulig ergonomi
- Tørrdrakt med føtter
- Kan også leveres med støvler
- Glidelås under ermene for ventilasjon
- HiVis farge
- Romslige meshlommer
- Hette i lomme på rygg
- Pennelomme på overarm
- Hansker i ermelommer
- Løftestropp med rustfri D-ring og karabinkrok
- Fløyte
- Kameratline med flytende krok
- Pustende GoreTex materiale
- Må benyttes med godkjent redningsvest
- SOLAS-godkjent i samsvar med LSA-koden del 2.3. uisolert redningsdrakt og ISO15027-1 Constant Wear Suit Class B som ETSO 4 timer med fôr.

SOLAS **ISO 15027-1** **ETSO**

SOLAS **ISO 15027-1** **ETSO**

Art.nr Art. no	Størrelse Size	XS	S	M	L	XL	XXL	XXXL
85360	Body height (body measurement)	157-164	163-170	169-176	175-182	181-188	187-194	194-201
85360	A. Back length to waist	58	60	62	64	66	68	70
85360	B. Waist/Hip	107	113	121	129	137	145	153
85360	C. Sleeve, From center to back to wrist	82	84	87	90	93	96	99
85360	D. Inseam	73	76	79	82	86	89	92
85360	E. Sock, toe to heel	26,7	28,7	30,7	32,7	32,7	32,7	32,7

To make sure the right size is selected, use HP Pilot/SAR Suit Size Guide or Measurement Chart





«SeaWind» breaks new barriers

Triple Certification

SeaWind has been certified by SOLAS, ISO and EASA. As such it has been approved for most any demanding work situation. No other survival suit can claim to be suitable for such a wide range of applications as SeaWind.

Hansen Protection has worked relentlessly for a long time to be able to be the first to offer a survival suit that is approved for work, shipping and helicopter transport. To achieve the helicopter transport approval the company has had to fit the suit with a lining, and it has to be worn with a SeaLion Europe lifejacket.

Emergency Breathing System

The SeaAir EBS Emergency Breathing System is integrated in the SeaLion Europe lifejacket. This system makes it possible to start breathing under water, something that was not possible with previous systems. In addition, the suit is equipped with a floating buddy line hook, which is a feature unique to Hansen Protection.

Its many details, great flexibility and wide range of applications makes this Norwegian made suit from Hansen Protection the first choice for many occupational groups and professionals, not least for use in the demanding conditions that is part of the service and maintenance of wind turbines.

Trippel godkjenning

SeaWind har sertifisering fra SOLAS, ISO og EASA. Den er dermed godkjent for de fleste krevende arbeidssituasjoner. Ingen andre redningsdrakter kan vise til så stor bredde i bruksområder som nye SeaWind.

Hansen Protection har arbeidet lenge for å kunne tilby markedet en redningsdrakt godkjent både for arbeid, shipping og helikoptertransport. For å sikre helikoptertransport-godkjenningen har produsenten utstyrt drakten med fôr, og den må benyttes med redningsvesten SeaLion Europe.

Nødpustesystem

Nødpustesystemet SeaAir EBS er integrert i redningsvesten SeaLion Europe. Systemet gjør det mulig å starte pusting under vann, i motsetning til tidligere nødpustesystem som ikke tillot dette. I tillegg har drakten flytende kamerakrok, noe Hansen Protection er alene om på sine drakter.

Mange detaljer, stor fleksibilitet og bredt bruksområde gjør den norskproduserte drakten fra Hansen Protection til et førstevalg for flere yrkesgrupper, ikke minst for krevende arbeid med service og vedlikehold på vindmøller.





ETSO

SeaLion Europe – Rebreather (hybrid)

SeaLion Europe Lifejacket w/ Hybrid EBS Colour 990 Black, Standard size

- 275N buoyancy lifejacket lung, manually activated
- Hybrid EBS rebreather system
- Hybrid system with spare air bottle consisting of 3,5 ltr extra air released by hydrostatic inflator
- Unique mouthpiece with integrated nose clip and valve with automatic release mechanism for access to rebreather lung
- Sprayhood, crotch strap, emergency light and whistle
- Stainless steel buckle safe attachment and quick adjustment to various body sizes
- Designed for adults (one size fits all)

SeaLion Europe Redningsvest m/Hybrid EBS Farge 990 Sort, Standard str.

- 275N oppdrift i redningsvest, aktiveres manuelt
- Hybrid nødpustesystem, (rebreather) med reserve luftflaske på 3,5l
- Reserverluft utløses ved hjelp av en hydrostatisk utløsermekanisme
- Unikt munnstykke med integrert neseclipe og ventil med vannaktivert mekanisme for tilgang til pustelunge
- Sprutbeskyttelse, skrittstropp, nødlis og fløyte
- Festespenne i rustfritt stål med enkel justering for ulike kroppsstørrelser
- Designet for voksne (one size fits all)



ETSO

SeaLion Europe EBS

SeaLion Europe Lifejacket w/CA EBS Colour 990 Black, Standard size

- 275N buoyancy lifejacket lung, manually activated
- Prepared for integration of SeaAir EBS (compressed air EBS)
- Please note: SeaAir EBS delivered separately
- Sprayhood, crotch strap, emergency light and whistle
- Stainless steel buckle safe attachment and quick adjustment to various body sizes
- Designed for adults (one size fits all)

SeaLion Europe Redningsvest m/CA EBS Farge 990 Sort, Standard str.

- 275N oppdrift i redningsvest, aktiveres manuelt
- Klargjort for (SeaAir EBS) nødpustesystem med trykkluft, CA EBS godkjent av CAA-UK i henhold til CAP 1034
- Merk SeaAir EBS leveres separat
- Sprutbeskyttelse, skrittstropp, nødlis og fløyte
- Festespenne i rustfritt stål med enkel justering for ulike kroppsstørrelser
- Designet for voksne (one size fits all)

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SeaAir EBS

CAA-UK CAP 1034

SeaAir EBS - 0,40l Cylinder

- Compressed air EBS certified by CAA-UK according to CAP 1034
- 200 bar pressure – 80l of air
- For integration in SeaLion Europe CA EBS Lifejacket
- State of the art first and second stage regulators
- Provides unique freezing protection safe breathing in water temperatures around zero degrees Celsius
- Ergonomic mouthpiece with nose-clip fitting all noses

SeaAir EBS - 0,40l Sylinder

- Nødpustesystem med trykkluft sertifisert av CAA-UK iht CAP 1034
- 200bar trykk gir 80l reserverluft
- For integrering i SeaLion Europe CA EBS
- State of the art første- og andretrinn regulatorer
- Gir enestående frysebeskyttelse for sikker pusting i vanntemperaturer rundt null grader Celsius
- Ergonomisk munnstykke med neseclipe som passer alle neser

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Sleeve pockets with gloves



Roomy mobile & pen pocket



Chest pockets



Roomy detachable thigh pockets with room for map/notebook/iPad Mini



Hood (orange) in leg pocket



Knife pocket (on opposite side: light pocket for LED Lenser)

The pilot suit is developed to ensure easy donning, doffing and transit comfort. Breathable three laminate FR fabrics and unique construction enable excellent mobility and flexibility.

- EASA ETSO 2C503 approved immersion suit and lifejacket with EBS
- 4 h – thermal protection
- The suit is designed to work in conjunction with SeaLion Europe Lifejacket. The two products form a complete safety system for helicopter pilots operating flights offshore.
- The Lifejacket has a modern, slim and easy to wear design with cat A compressed air EBS integrated in back pocket

SeaAir Europe Pilot

Color: 300 Yellow

Sizes: Standard XS-XXL or

Made to measurement – Personal suit

- The suit consists of an outer shell and a thermal zip-in lining in highly flame retardant fabrics
- Soft and highly elastic neoprene neck and cuff closures combining comfort and water tightness
- Available with curved, vertical and diagonal zip versions (PU Tizip MasterSeal)
- In addition to standard sizing XS – XXL, the suit can be custom made to actual body measurements
- Unique construction for ease of movement
- Strategically placed cargo pockets on calf and sleeves with room for hood, gloves and personal belongings
- Integrated socks for choice of footwear
- Waist adjustment with velcro and elastics to secure individual fit
- Reinforced knee areas with easy placement and adjustment of knee pads
- Integrated and detachable suspenders inside for ease of use in transit periods
- Hanger loop inside suit for easy storage

SeaAir Europe Pilot

Farger: 300 Yellow

STR: Standard XS-XXL eller skreddersydd etter egne mål

- Drakten består av et ytre skall og et termisk zip-in fór i flammehemmende materialer
- Myk og svært elastisk hals- og mansjett-lukninger i neopren som kombinerer komfort og vanntetthet
- Kan leveres med buede, vertikale og diagonale glidelåsversjoner (PU TIZIP Masterseal)
- I tillegg til standardstørrelser XS-XXL kan drakten skreddersys etter egne mål
- Unik konstruksjon for god bevegelighet
- Lommer strategisk plassert på ermer og ben med plass til hansker, hette og personlige eiendeler
- Sokker integrert i drakt åpner for eget valg av fottøy
- Justering med borrelås og strikk i midjen for å sikre god individuell passform
- Forsterkning på knær og enkel tilgang for plassering og justering av kneputer
- Integreerte og avtagbare seler
- Innvendig hempe for enkel oppbevaring av drakt

Størrelse Size	XS	S	M	L	XL	XXL
Body height (body measurement)	157-164	163-170	169-176	175-182	181-188	187-194
A. Back length to waist	58	60	62	64	66	68
B. Waist/Hip	107	113	121	129	137	145
C. Sleeve; From center to back to wrist	82	84	87	90	93	96
D. Inseam	73	76	79	82	86	89
E. Sock, toe to heel	26,7	28,7	30,7	32,7	32,7	32,7



Suit is compatible with SeaLion Europe Pilot Lifejacket with back mounted SeaAir EBS



Compressed air EBS approved by CAA-UK in accordance with CAP 1034



Neoprene boots

FlexiBoot is the obvious choice as an accessory for our dry suits with or without socks. A robust boot - still lightweight and durable with good friction. Suitable for all HP dry suits with socks. The boots are comfortable and will extend the life of your suit. FlexiBoot is made of neoprene with sole and reinforcements in rubber to provide extra support and comfort. May be used with fins/flippers. Sizes 38 -47

Suit with alternative/separate adjustable neck seal

20



The new development offers the user comfort (ventilation) in transit periods without undonning the suit. A 100% waterproof seal is achieved with a simple maneuver.

As an alternative to the suit with waterproof zip in neck seal, Hansen Protection offers a suit with a innovative neck seal construction and separate waterproof zipper



Adjustable neck seal

Zip in neck seal

Fixed neck seal





*Hood allows use of helmet
- semirigid cord allows
optimal adjustment*



Whistle



*Buddyline with floating
hook*



*Roomy pockets on legs for
storage*

SAR/Pilot suit for arctic conditions

- The preferred suit for operations in cold areas, made in soft, durable and well proven neoprene material
- Developed in cooperation with the Norwegian 330 Search and Rescue Squadron.
- Large wind proof hood for use over helmet
- Adjustable semi-rigid cord in hood opening
- Inflation valve (to inflate the entire suit)
- Detachable neoprene hood and gloves
- Socks for individual choice of footwear

PILOT SUIT

COLOURS: 290 Orange

SIZES: S - XXL

- 3 mm flexible and durable neoprene fabric
- Developed in cooperation with the Norwegian 330 Search and Rescue Squadron
- Large hood for use outside helmet
- Adjustable, semi-rigid cord in hood for opening
- Valve to blow air into the suit (the entire suit) to give better insulation and flotation
- Detachable neoprene hood and gloves
- Socks for individual choice of preformed footwear
- Waterproof lightweight PU-zip - easy to don
- Functional, roomy pockets on legs
- Separate waterproof zip for easier urination
- No formal certifications, still preferred by pilots operating in arctic/tough conditions

PILOT REDNINGSDRAKT

FARGER: 290 ORANGE

STR: S - XXL

- 3 mm fleksibelt og slitesterk neoprene metervare
- Utviklet i samarbeid med 330 skvadronen (Redningstjenesten)
- Spesialhette for bruk utenpå hjelm
- Justerbar halvstiv tråd i hette
- Ventil for oppblåsing av drakten - gir bedre isolasjon og flyteevne
- Løs neopren hette og hansker
- Sokker for valg av personlig fottøy
- Vanntett hovedlås i lett materiale - enkel å lukke
- Separat vanntett lås for forenklet toalett-besøk/vannlating
- Ingen formelle sertifiseringer, likevel foretrukket av piloter som opererer i arktiske/ tøffe forhold

Art nr. Art. no	Drakt str. Suit size	Lengde cm Height cm	Vekt Weight
82690	S	162-170	3.5
82690	M	170-178	3.7
82690	L	178-185	3.9
82690	XL	185-192	4.0
82690	XXL	192-200	4.2



Separate neoprene hood with good closure



Inflation valve for extra buoyancy and insulation



Heat reflecting lining laminate for insulation



Soft rubber/neoprene boots allows use of flippers



Surface Operations Suit for SAR-crew

- Developed in cooperation with the Norwegian 330 SAR squadron
- Soft and durable neoprene laminate
- Neck seal
- Diagonal zip
- Can be used with flippers
- Separate hood and gloves, pockets for storing gloves / hood
- Inflation valve (to inflate the entire suit) for better insulation and flotation
- Heat reflecting Titan lining
- Specially designed for emergency services

Sea Rescue - Rescuer suit COLOURS: 300 Fluor Yellow SIZES: XS-XXL

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

Sea Rescue - Redningsmanns drakt FARGER: 300 Fluoriserende Gul STR: XS-XXL

- Overflatesvømmedrakt utviklet spesielt for redningsmannskap
- 5 mm vanntett neoprene med varme-reflekterende Titan innerfôr gir isolasjon og oppdrift
- Dobbeltsveisede sømmer og reflekser
- Skråstilt, vanntett glidelås
- Manuell ventil for regulering av luft i drakten
- Neoprenmansjetter
- Leveres med avtagbar hette og hansker
- Lomme for hette og hansker
- Radiolomme
- Pannelomme
- Romslig brystlomme
- Forsterkninger fra kneet og ned
- Fastmonterte støvler som kan brukes sammen med svømmeføtter
- Førstevalget for SAR-mannskap som arbeider i kalde forhold

Art nr. Art. no	Drakt str. Suit size	Lengde cm Height cm	Sko str. Shoe size	Vekt Weight
84117	XS	140-150	41	4.4
84117	S	150-165	41	4.5
84117	M	165-180	43	4.8
84117	L	180-190	45	5.0
84117	XL	190-198	47	5.2
84117	XXL	199-105	47	5.4



Hood in hi-vis neoprene



SI-TECH Inflation valve on lower body (optional)



Roomy detachable thigh pockets with room for storage/extra weight (optional)



Reinforced 5-finger gloves in neoprene



Reinforcement fabric on lower legs, pocket for kneepads inside knee.





SeaSwim is designed for surface swimming and shallow water dives.

The suit is offered with an optional newly invented adjustable neck seal solution.

- Carefully constructed in cooperation with innovative SAR personnel with experience from a wide variety of tasks
- Narrow fit combined with full freedom of movement
- Option of an innovative adjustable neck seal that offers the user comfort and ventilation in transit periods without doffing the suit. 100% waterproof seal is achieved with a simple maneuver.
- Pockets on chest and both thighs for knife and lights
- Detachable thigh pockets for e.g. notebook, map, iPad Mini and personal belongings

SAR SeaSwim

- Option of an innovative adjustable neck seal (offer the user comfort and ventilation in transit periods without doffing the suit. 100% waterproof seal is achieved with a simple maneuver.)
- Waist adjustment with velcro and elastics to secure individual fit
- Possibility of individual valve selection placed on shoulder and/or hip (SiTech)
- Choice between three different 3-layer main fabrics with well documented breathability
 - GoreTex Nomex III – best FR properties
 - GoreTex Pazifik – highest abrasion resistance
 - HP Superlight – lightweight and with superb moisture vapor penetration
- Velcro and webbings for attachment of distinctions and name tag
- Highly durable and easy running waterproof zip in soft PU from TiZip
- Additional pockets on chest and upper sleeves
- Pockets on thighs for knife and pocket-light (LED Lenser)
- Suit equipped with Velcro on thighs for attachment of (detachable) thigh pockets for e.g. notebook, map, iPad Mini and personal belongings
- Unique construction for ease of movement – still well fitted to the body preventing inherent trapped air
- Flexible concept – may be customized individual requirements

SAR SeaSwim

- Mulighet for valg av en innovativ, justérbar halslukning for maksimal komfort (gir brukeren mulighet for å ventilere over-skuddsvarme i sikre posisjoner/venteperioder uten å ta av drakten. Halslukningen blir 100% tett med et enkelt håndgrep)
- Mulighet for individuelt valg av ventilert fra SiTech på skulder og/eller hofte
- Justeringsmulighet i midjen med velcro og elastikk for individuell tilpasning
- Valg mellom vanntett/pustende 3-lags metervare med dokumenterte pusteegenskaper
 - GoreTex Nomex III – beste flamme-hemmende egenskaper
 - GoreTex Pazifik – høyeste slitestyrke
 - HP Superlight – lettest og med beste pusteegenskaper
- Mulighet for feste av distinksjoner og brodert navnelapp med velcro og webbing
- Solid vanntett lås i myk PU som løper lett (TiZip Masterseal)
- Lommer på bryst og overermer
- Lommer på begge lår for oppbevaring av kniv og lykt (LED Lenser), passer iPad Mini.
- Drakten er klargjort med borrelås på lårene for påsetting av romslige lårlommer (med/uten vindu)
- Unik konstruksjon for bevegelsesfrihet – likevel godt kroppstilpasset uten for mye innvendig luft
- Fleksibelt konsept – kan tilpasses individuelle behov



SAR SeaSwim

Color: 300 Yellow

Sizes: Standard XS-XXL or

Made to measurement – Personal suit

- The suit is prepared for harsh conditions with an integrated zip for optional choice of lining (Aramide fiberfill or 3M Thinsulate)
- Suit with socks for use of footwear of your choice. Option: Intergrated neoprene boots prepared for use of flippers.
- Soft and highly elastic neoprene neck and cuff closures combining comfort and water tightness (may also be delivered with latex closures)
- Integrated socks for choice of footwear
- Reinforced front panel on knee and lower leg
- Pockets for placement of knee pads inside suit
- Five finger gloves in neoprene in sleeve pockets and neoprene hood in easy accessible pocket in the back
- Integrated and detachable suspenders inside for ease of use in non-exposed situations
- Hanger loop inside suit for easy storage
- Automatic exhaust valve on shoulder for release of trapped air
- Sizing XS – XXL, with an option for manufacture to actual body measurements (MTM)

SAR SeaSwim

Farger: 300 Yellow

STR: Standard XS-XXL eller skreddersydd etter egne mål

- Drakten er utstyrt med innvendig glidelås for innmontering av valgfritt termisk fôr (Aramid eller 3M Thinsulate)
- Integrerte sokker for valg av egnet fotteøy. Opsjon: Integrerte neopren støvler forberedt for svømmeføtter
- Hals- og erm-lukninger i myk og elastisk neoprene for beste vanntetthet og komfort (kan også leveres med latex mansjetter)
- Forsterkningsmetervare på knær/legg og albuer for størst mulige slitestyrke
- Forberedt for innmontering av kneputer/-beskyttere
- Neopren fem-finger hansker i lommer på underermer og hette i neopren lett tilgjengelig i lomme på rygg
- Innvendige bukseseler med god bredde og elastikk, - avtagbare
- Solid henge-løkke innvendig for enkel oppbevaring
- Ventil (automatisk) på erme/skulder sikrer at drakten luftes maksimalt ut
- Størrelser: XS – XXL, med mulighet for bestilling av drakt til kroppsmål (MTM)

Construction

- Freedom of movement in all positions
- Further developed ergonomic construction from the widely accepted SeaWind style
- More narrow fit, minimum bulk around upper body
- Standard fitted with automatic exhaust valve, may optionally be fitted with adjustable dump valve
- May also be fitted with inflation valve for shallow diving purposes
- Socks for use of shoes of own choice

Drakt str. Suit size	Lengde cm Height cm	Sko str. Shoe size	Vekt Weight
XS	140-150	41	4.4
S	150-165	41	4.5
M	165-180	43	4.8
L	180-190	45	5.0
XL	190-198	47	5.2
XXL	199-105	47	5.4



Newly invented adjustable neck seal, still 100% waterproof.



Allows ventilation in non-exposed positions. Saves time (may be ready for rescue in seconds)







Hansen Protection has been a pioneer in safety at sea ever since we launched kapok life jackets in 1932.

Our current range continues the company's strong traditions, where our greatest concern is to ensure optimal functionality and performance for all types of work at sea.

A first class survival suit can mean the difference between life and death.

As one of the worlds foremost developers and manufacturers of survival equipment, Hansen Protection can offer a wide collection of survival suits. Survival is no guarantee, but we can guarantee that our survival suits satisfy the highest demands for safety.

Continuity is quality....

- Survival suits since 1976



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