

## Technical/Safety Data Sheet SeaAir EBS

Compressed air emergency breathing system;

Similar in function to SCUBA gear: - consists of a small cylinder pressurized with atmospheric air and first stage regulator worn in a pouch on the user's flotation vest or survival suit, a pressure gauge, an air hose and a second-stage regulator (the part that delivers air via the user's mouth). The regulator is on-demand, it only delivers air, when the user inhale.

Compressed air supply system. Made by Poseidon Diving AB in Sweden for Hansen Protection AS.



General	
Maximum Operational depth	Certified to 10m (33 ft)
Approved gas	Air (Nitrox ready)
Maximum working pressure	232 bar (3434 psi)
Cold water performance	CAA UK CAP 1034 approved / EN 250 Cold Water Authorized to 190 FSW in cold water temperatures from 29° to 37°F (-1,67 to +2,78°C) and above, per the <b>U.S. Navy Dive Manual</b> , SS521-AG-PRO-010
O-ring materials	Nitrile, EPDM
Lubricants	Poseidon R, Poseidon Oxygen compatible, silicone oil.
Warranty	12 months
Total weight	1755 g/ 62,9 oz
1st stage regulator	
Flowrate (l/min)	>5.100 l/min / 180 cuft/min
Nominal inter-stage pressure	11.5 bar (167 psi) possible to set at 8.5 bar
Anti-Freeze protection	Built in T.D.A (Thermo Dynamic Anti-freeze)
Technique	Rolling diaphragm
Valve technique	Ball valve
Seat material	Zytel
Test pressure	450 bar (6526 psi)
Ports	1 IP (UNF 3/8") / 2 HP (UNF 7/16")
Connection	M18 x 1,5
Built in OPV	No
Built in OPV opening pressure	N/A
Material	Brass, plastics, stainless steel & Aluminium

<b>2nd stage regulator</b>	
Flow Rate	1250 l/min / 44 cuft min
Technique	Downstream
Safety valve opening pressure	15 +/- 1 bar (217 +/- 14 psi)
Swivelling	Around axis, can be used either side
Material	ASA, Brass, TPU, Silicone, PU
Venturi assist	Automatic
Inhalation control	Automatic
Anatomic mouthpiece	4532 Poseidon AIR
<b>Hose</b>	
Standard length hose	61 cm /24 inch
Burst pressure	>100 bar (1450 psi)
Pull strength	>1000 Newton (225 lbf)
Oxygen cleaned	N/A
<b>Cylinder</b>	
Cylinder Volume	0.4 l
Air volume	95 l
Cylinder Material	Aluminum
Cylinder Length with Regulator	32 cm
Rated Cylinder Pressure	232 bar
Cylinder Approval	CE 00036 (engraved in bottle)
<b>Compatibility</b>	
Integration	Sealion Europe Lifejacket/HP ETSO Lifejacket
Approval integration	EASA ETSO 2C504/CAA CAP 1034
<b>Transportation</b>	
Carry-on luggage	Allowed to be transported as personal cabin-luggage on board all airlines (one piece per person)
Checked-in luggage	Allowed to be transported as checked-in luggage (normally two pcs per person)
Note	The above relates to filled systems/under pressure Non-filled systems may be sent in larger quantities
<b>Health &amp; Safety *</b>	
Education	User training is critical for correct operation of the system
Air quality	The unit must be filled with air according to EN 12021:2014 – Compressed gas for respiratory devices
Diving	The system is intended for escape of a ditched and submersed helicopter cabin, not regular diving

\*) This type of equipment does not require a specific MSDS, as this is relevant for chemical substances only