

Technical data sheet SeaAir EBS

Compressed air emergency breathing system;
 Similar in function to SCUBA gear, it 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.



SeaAir EBS

General	
Maximum Operational depth	Certified to 10 m (33 ft)
Approved gas	Air, Nitrox Ready
Maximum working pressure	200 bar (2900 psi)
Cold water performance	CAP1034 approved / Authorized to 190 FSW in cold water temperatures from 29° to 37°F (-1,67 to +2,78°C) and above, per the U.S. Navy Dive Manual , SS521-AG-PRO-010
Cleaned to hydrocarbon levels <50mg/m2 & particle level X	No
O-ring materials	Nitrile, EPDM
Lubricants	Poseidon R, Poseidon Oxygen compatible, silicone oil.
Warranty	12 months
2nd stage	
Flow Rate	1250 l/min / 44 cuft min
Total weight	1785 gr / 62,9 Oz
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
1st stage	
Flowrate (l/min)	>5100 l/min / 180 cuft/min
Nominal inter-stage pressure	11.5 bar (167 psi)
Anti-Freeze protection	Inbuilt Thermo Dynamic Anti Freeze (T.D.A.)

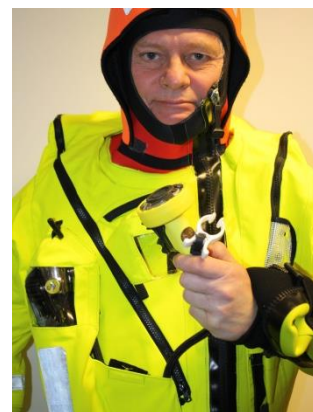
Technique	Rolling diaphragm
Valve technique	Ball valve
Seat material	Zytel
Test pressure	450 bar (6526 psi)
Ports*	1 IP (UNF 3/8") / 1 HP (UNF 7/16")
Connection	M18 x 1,5
Built in OPV	No
Built in OPV opening pressure	N/A
Material	Brass, plastics, stainless steel
Hose	
Standard lengths hose	24 inch / 61 cm
Burst pressure	>100 bar (1450 psi)
Pull strength	>1000 Newton (225 lbf)
Oxygen cleaned	N/A
Cylinder	
Cylinder Volume	0,4 l
Cylinder Material	Aluminum
Cylinder Length with Regulator	32 cm
Rated Cylinder Pressure	200 BAR
Cylinder Approval	CE 00036 (engraved in bottle)
Compatibility	
Integration 1	SeaLion Europe / HP ETSO Lifejacket
Approval Integration 1	EASA ETSO 2C504
Integration 2	SeaAir1 Helicopter Passenger Suit
Approval Integration 2	EASA ETSO 2C502
Integration 3	SeaAir Canada Helicopter Passenger suit
Accepted Integration 3	TC CAN



SeaLion Europe
Lifejacket



SeaAir1 Helicopter
Passenger Suit



SeaAir Canada
Passenger Suit