Technical/Safety Data Sheet SeaAir EBS II 0,29l Alu

Compressed air emergency breathing system (CA EBS);
- 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 lifejacket or survival suit, a pressure gauge, an air hose and a second-stage regulator. The regulator is on-demand, it only delivers air, when the user inhales.

SeaAir EBS II – 0.29l Alu cylinder
HP artno 21081

General	
Maximum Operational depth	Certified to 10m (33ft)
Maximum working pressure	207bar (3002psi)
Cold water performance	CAA UK CAP1034 approved / EN 250 Cold Water
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
System length	29.5cm / 11.61”
Total weight	893g / 1.97lb
2nd stage regulator	
Regulator weight (light version)	151g
Flow Rate	1250 l/min (44 cuft/min)
Technique	Downstream
Safety valve opening pressure	15 +/- 1bar (217 +/- 14psi)
Swiveling	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 regulator	
Flowrate (l/min)	>1700 l/min / 60 cuft/min
Nominal inter-stage pressure	11.5bar (167psi)
Cold water performance	>4 °C

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Technique	Diaphragm
Valve technique	Piston Valve
Seat material	Polyetereterketon (PEEK)
Test pressure	450bar (6526psi)
Ports	1 LP (UNF 3/8”) / 2 HP (UNF 7/16”)
Connection	UNF 5/8” (optional m18)
Built in OPV	In 2:nd Stage
Built in OPV opening pressure	N/A
Material	Brass, plastics, stainless steel and aluminum
Weight	272g/0.60lb
Hose	
Standard hose length	50cm / 20” (alt lengths 60 and 70cm / 24 and 27”)
Burst pressure	>100bar (1450psi)
Pull strength	>1000 Newton (225lbs)
Oxygen cleaned	N/A
Cylinder	
Cylinder Material	Aluminum
Cylinder Volume / Weight	0.29l / 391g (17.70in³/ 0.86lb)
Cylinder Dimensions	Ø: 50mm /1.97” L: 235mm / 9.25”
Rated Cylinder Pressure	200bar (max 207bar)
Volume of breathable air	max 60l (2.0cuft – volume of free air)
Cylinder Approval	CE/DOT
Compatibility	
Integration 1	SeaLion Europe / Halo Crew & Passenger LJ
Approval Integration 1	EASA ETSO 2C504/CAA UK CAP 1034
Integration 2	SeaAir1/SeaAir Barents Helicopter Passenger Suit
Approval Integration 2	EASA ETSO 2C502/CAA UK CAP 1034
Integration 3	SeaAir Canada Helicopter Passenger suit
Accepted Integration 3	TC CAN
Transportation	
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
Health & Safety *	
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