

A Lightweight and Robust Built In Breathing System for Hyperbaric Chambers

The Delta Mk2 BIBS (Built In Breathing System) offers advanced breathing performance with minimum work of breathing for therapeutic and emergency breathing use. It has been ergonomically designed as a lightweight unit with a unique quick-release oral nasal to facilitate ease of change for hygienic use. The design has been tried and tested over many years to withstand a lifetime of harsh handling in hyperbaric chambers.

Users are now demanding equipment that can withstand the physical abuse experienced during day-to-day chamber and diving operations but need a unit that will deliver first rate performance. The advanced polymer used for the main BINS body is extremely robust and provides longevity in service. The oral nasal is easy to remove and replace. This permits divers to have their own oral nasal, or otherwise permit easy biological decontamination.

The Delta was tested by an independent and recognised facility to 450 MSW. **

At a ventilation rate (RMV) of 62.5 litres/minute the work of breathing, CO2 levels and respiratory pressures were all within the "preferred limit".

Procedures are used to ensure the masks are free from contamination and are cleaned for oxygen use and all parts are degreased, ultrasonically cleaned and assembled in our own clean workshop.

***As no harmonised worldwide Standard exists for BIBS testing, the Norwegian guidelines "NORSOK U101" were utilised to provide a test protocol. These are beyond the requirements indicated by IMCA, ABS, DNV and Lloyds, or indeed may be referred to in their documents.*

Applications: Commercial Diving - Saturation Diving - Tunnelling Systems - Hyperbaric Treatment - Life Support Systems - Hyperbaric Lifeboats



Part No: HBB-200

The BIBS mask should be included within a Planned Maintenance System (PMS). IMCA reference BIBS systems within section 5.2 of the D018 DESIGN document and this is a useful starting point and guidance for good practice within the industry. The mask is easy to maintain and instructions including Chemical and Biological maintenance procedures required are contained within the Manual.

Features & Specifications

Rapid-release, hygienic oral nasal face seal

Easy cleaning and maintenance

Low work of breathing (to NORSOK U101)

Weighs only 1010 grams

Tested to 450 msw

Cleaned and safe for Oxygen use