



A Practical, Safe and Operational solution

- In order to fulfill our end user requirements, Aqua Lung R&D department designed with Micropore, Inc a kit to adapt ExtendAir® technology to the Frogs and Amphora.
- No compromise with our Credo, the ExtendAir® solution is simple, safe and robust.
- Manufactured by Micropore – a US-based gas absorbent system manufacturer located in Delaware and Maryland that sells ExtendAir®-brand technology for CO₂ life absorbent applications
- Highly efficient microstructure equates to high absorption rates and capacities
- Made from the same chemistry as granule absorbent technology, but eliminates their problems...
- Proven technology now available in military rebreather
- 10 years of use in tech/recreational rebreathers
- Standard kit for emergency life support on US, UK, Dutch, Canadian, Italian, Greek, Turkish, & Singapore submarines
- Specified in mine rescue shelters and PPE devices
- FDA registered and approved in medical devices

A Practical Solution

- Only item replaced is the granular basket
- Uses same circlip and water trap
- The Direct drop in replacement made from the same durable materials as granular basket

Single Use Packaging

- Minimizes waste of granule 'tubs'
- Better control on absorbent inventory
- No sieve needed
- No tedious sieving task saving time
- Uses a 2.2 kg ExtendAir® CO₂ absorbent cartridge

A Safe Solution

No Dusting

- No absorbent gets in the breathing loop; reduces maintenance
- In case of flooded rebreather, 70% less caustic in 5 minute flood

No Settling

- Consistent scrubber duration
- No by-pass/channeling
- Excellent tolerance to storage, shock, vibration
- Allows in-rig storage (pre-load) to ease logistics

Low Work of Breathing (WOB)

- WOB stays consistent during use

An Operational Solution

- Work of Breathing: 8.5% lower than granules
- About the same dive duration as granules
- Easier and faster to refill in the field than granules
- Nothing to spill on the deck of ship or submarine

