



Micropore, Inc. of Elkton, Maryland USA manufactures ExtendAir® CO₂ absorbent, a revolutionary absorbent technology for use in rebreathing and life support applications. ExtendAir® technology solves the safety, storage, and loading problems associated with traditional granular CO₂ absorbents.

The absorbent has many national defense applications including use for military Special Operations rebreathers, emergency and primary atmospheric control on submarines, and medical oxygen delivery. In addition, it meets the needs of first responders for longer lasting, lighter weight emergency escape breathing devices (EEBDs), refuge shelters, and rescue rebreathers. Compared to the traditional granular carbon dioxide absorbents, it makes breathing up to 40% easier and provides up to 50% longer life support. In addition, ExtendAir® absorbent does not have the safety, storage, and loading problems associated with the granular absorbents. Granule absorbents form a powder when subjected to the shocks and vibrations of regular transportation, storage, and in-use scrubbing. The powder creates a dangerous chemical dust and settling in the scrubber canister, shortening the scrubbers' duration and making breathing more difficult. ExtendAir® cartridges do not suffer from this type of degradation during transportation, storage or use. In addition, ExtendAir® absorbents for rebreathers offer a significantly reduced 'caustic cocktail' when compared to other absorbents. Operationally, it is superior since it takes mere seconds to load, reduces training time, is more reliable, and its single use packaging eases deployment logistics.

ExtendAir® cartridges are approved for use in combat diver rebreathers by the US Navy and several EU countries' Special Forces. The absorbent is FDA approved for oxygen delivery systems. In addition, ExtendAir® absorbents are the chosen standard for emergency life support on submarines and are currently in service for many NATO navies including the US, UK, Canada, Italy, Turkey, Greece, and the Netherlands.

Micropore is pleased to announce that the Aqualung FROGS, AMPHORA, MODE, Divex Shadow Enforcer, and Drager MK25 rebreathers have absorbent solutions integrated and for sale. For Aqualung FROGS/AMPHORA and Drager units, the retrofit is a direct drop-in replacement to the granule canister. No modifications needed. The Divex Enforcer and Aqualung MODE units exclusively uses an ExtendAir® cartridge.



Aqualung MODE



Divex Shadow Enforcer



ExtendAir® LAR-V/MK25 Retrofit Kit

We are working with the world's leading rebreather manufacturer's, integrating ExtendAir® CO₂ absorbent systems. **Contact: Mr. Rick Oddo, +1.443.245.4124: Rick.Oddo@microporeinc.com www.extendair.com**