



***ExtendAir® CO<sub>2</sub> absorbent cartridges are approved for use in combat diver rebreathers by the US Navy as well as several EU and Pac Rim countries' Special Forces.***

Micropore, Inc. of Elkton, Maryland USA manufactures ExtendAir® CO<sub>2</sub> 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 CO<sub>2</sub> absorbents.

ExtendAir® absorbent has many defense applications including use for military Special Operations and Mine Clearance rebreathers, emergency and primary atmospheric control on submarines, and medical oxygen delivery. Compared to the traditional granular carbon dioxide absorbents, ExtendAir® absorbent makes breathing up to 40% easier and provides up to 50% longer life support. Granule absorbents form a powder when subjected to the shocks and vibrations of regular transportation, storage, and in-use scrubbing. This 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 while in use due to its unique, patented material properties. In addition, ExtendAir® absorbents for rebreathers offer an initial water tolerant solution, significantly reducing 'caustic cocktail' when compared to all 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.

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 with international navies including Canada, Greece, Italy, Netherlands, Singapore, Indonesia, South Korea, Sweden, Turkey, US, and the UK.

Micropore is pleased to announce that the Avon MCM100, Aqualung FROGS, AMPHORA, MODE, JFD Shadow Enforcer, Drager MK25, and Open Safety Incursion 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 Avon MCM100, JFD Enforcer, Aqualung MODE and Open Safety Incursion units are supplied with integrated canister solutions for the ExtendAir® cartridge.



**Aqualung MODE**

**JFD Enforcer**

**ExtendAir® LAR-V/MK25 Retro Kit**

**Open Safety Incursion**

We are working with the world's leading rebreather manufacturer's, integrating ExtendAir® CO<sub>2</sub> absorbent systems. **Contact: Mr. Rick Oddo, +1.443.245.4124: [Rick.Oddo@microporeUSA.com](mailto:Rick.Oddo@microporeUSA.com) [www.extendairusa.com](http://www.extendairusa.com)**