



ExtendAir part # VM-1050P

Call for pricing, availability and technical information;

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ExtendAir® is a product of Micropore Incorporated.

[www.ExtendAir.com](http://www.ExtendAir.com)

***ExtendAir® PowerCube™***

***Leading the world in  
CO<sub>2</sub> Absorbent Technology***

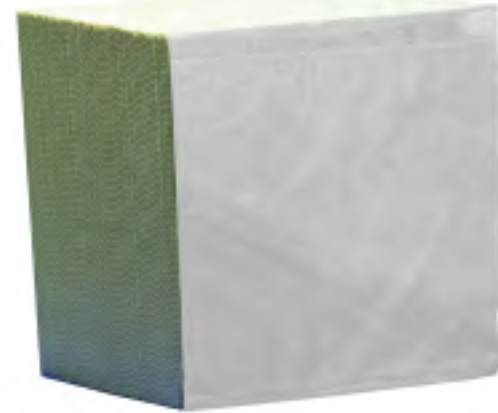
***ExtendAir®***  
CO<sub>2</sub> ABSORBENTS



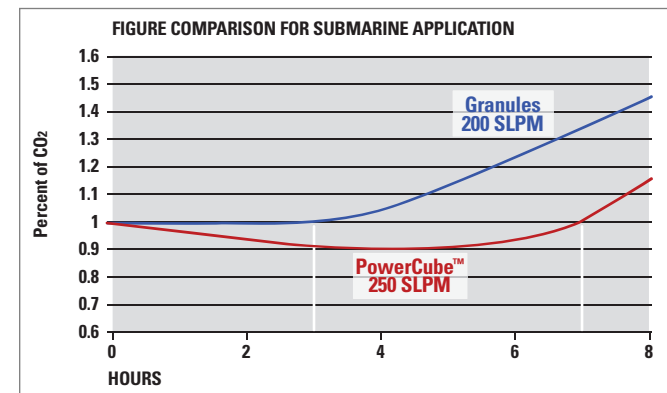
# Latest CO<sub>2</sub> Scrubbing Technology for Life Support on Diesel/Electric Submarines

The ExtendAir® PowerCube™ is a solid CO<sub>2</sub> absorbent designed to replace granular CO<sub>2</sub> scrubbing systems on submarines. This solid technology offers superior benefits and performance over competitive granular applications in critical life support systems.

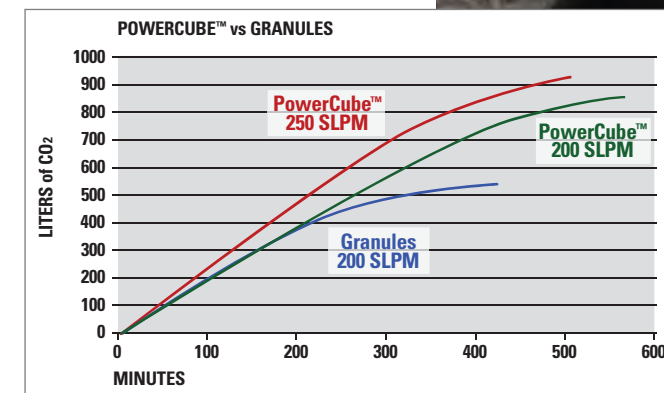
- No dusting or settling for consistent performance over the usable life of the cartridge.
- 33% more absorbent per container provides same term of life support with reduced storage volume allowing longer duration of missions with current allotted storage lockers.
- 5 times lower pressure drop than granular container which translates to a higher CO<sub>2</sub> absorption rate for extended crew support or less frequent change outs.
- PowerCube™ has the capacity to remove 70% more CO<sub>2</sub> or last 133% longer in a submarine environment.



## Retrofit



PowerCube™ versus granules—compartment CO<sub>2</sub> concentration.



PowerCube™ versus granules—total liters of CO<sub>2</sub> removed at 1% CO<sub>2</sub> inlet.





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