



PowerCube® part # VM-1050P (Calcium Hydroxide)  
VM-2560P (Lithium Hydroxide)

Call for pricing, availability and technical information;

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[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

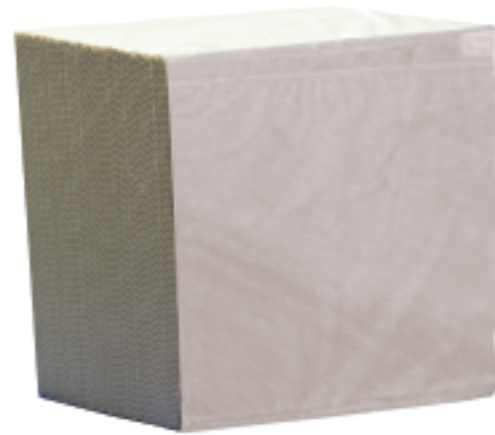




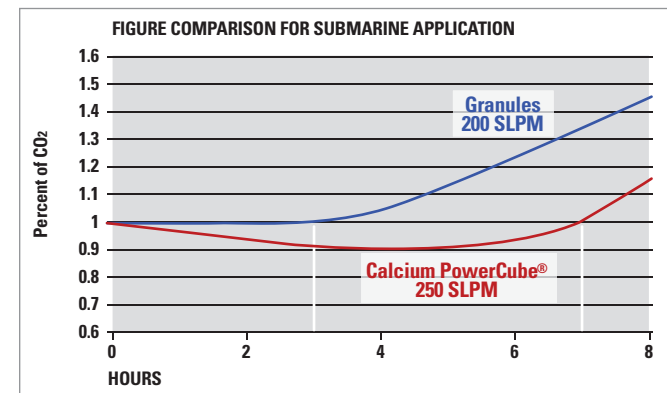
# Latest CO<sub>2</sub> Scrubbing Technology for Life Support on Diesel/Electric Submarines

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 performance over competitive granular applications in critical life support systems.

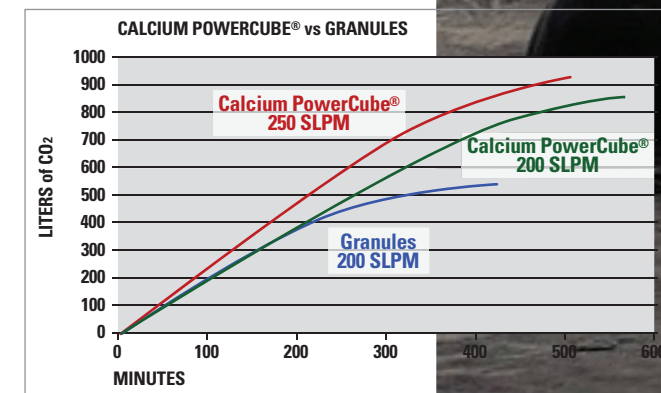
- No dusting or settling for consistent performance over the usable life of the cartridge.
- 33% less storage volume for same calcium hydroxide mass of granules.
- Lower pressure drop allows higher flow rates which translates to a higher CO<sub>2</sub> absorption rate.
- 42% increased duration vs. granules for calcium hydroxide PowerCube®.
- 54% increased duration vs. granules for lithium hydroxide PowerCube®.



**Retrofit**



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



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

