



SPHERASORB® 408

4 to 8 Mesh Indicating + Non-Indicating Soda Lime

Description | Application

Spherasorb® 408 NI (Non-indicating)
Spherasorb® 408 WV (Indicating)

Spherasorb® 408 is a spherical shaped Soda Lime, available as NI (non-indicating) or WV (indicating). Sodalime's efficiency at removing Carbon Dioxide from air, leaving Oxygen behind, makes it a vital part of CO₂ Scrubbers and rebreathing systems.

Military, Diving, and Medical applications (Conditions where keeping air breathable when circulation with outside air is impossible).



Specifications

Chemical Composition: Intersurgical Tests

	Spherasorb® 408 NI	Spherasorb® 408 WV
Calcium Hydroxide	93.5%	93.5%
Sodium Hydroxide	1.5%	1.5%
Zeolite	5%	5%
Ethyl Violet	NIL	0.03%

Note: These figures represent the dry constituents. The product additionally contains 14% to 18% water.

Physical Properties: NATO test standard STANAG No. 1411

Particle Size	Spherasorb® 408 NI + WV	Specification
Over 5.6 mm	0%	Max 1%
4.75 to 5.60 mm	0%	Max 7%
2.00 to 4.75 mm	Balance	Balance
0.600 to 2.00 mm	0.4%	Max 15%
under 0.600 mm	0.2%	Max 1%
Moisture Content	16%	14% to 20%

Specifications

Physical Properties: NATO test standard STANAG No. 1411

	Sphasorb® 408 NI + WV	Specification
Hardness <i>(% retained on 1.4 mm screen)</i>	97%	Min 75%
Resistance to Flow <i>(40 L/min, absorber 10 cm diameter, 12.5 cm height, volume 1 litre)</i>	0.8 mbar unused 1.0 mbar used	

Carbon Dioxide Absorption: EN14143 with Ambient Air

	Sphasorb® 408 NI + WV	Specification
Time to 0.5% CO ₂ breakthrough	73 minutes	60 Minimum
CO ₂ Capacity	128 L/kg	100 L/kg Minimum

105 ml absorbent in 30 mm diameter tube.
 Challenge gas: 3.0 L/min air containing 5% CO₂.
 Humidity 100%
 Temperature 20°C

Packaging, Transportation + Disposal

Sphasorb® 408 is available in 45 pound airtight kegs. Standard shipping applies. Dispose of in accordance with local, state, and federal regulations.

Storage + Handling

Store in a dry, well ventilated area away from incompatible substances, such as strong acids. Avoid excessive temperatures. Keep container tightly sealed. Do not leave absorbent exposed to air for prolonged periods. Dust may cause irritation. Avoid breathing dust. Avoid contact with eyes. Wash hands and contact area after handling.

Precautions

Irritating to eyes, respiratory system and skin (see handling above).

Warranty

Dive Long will replace any material found to be defective, but accepts no liability through improper storage, handling or application of this product.

Disclaimer

All data provided herein is based upon years of research, laboratory testing and actual product usage. Dive Long makes no representations or warranties of any kind concerning this information.