

TECHNICAL DATA:

Intersorb 4 to 8 mesh Indicating and Non-indicating soda lime.

Grade L

Product names:

Intersorb 408 NI (non-indicating)

Intersorb 408 WV (indicating)

Intersorb 408 is comprised of 3 mm cylindrical granules and has been produced to achieve the maximum carbon dioxide absorption and optimum physical properties. This is to achieve the most suitable performance within diving rebreathers.

Intersorb 408 has been tested to NATO test standard STANAG No 1411.

Chemical composition: Intersurgical tests.

	Intersorb 408 NI	Intersorb 408 WV
Calcium Hydroxide	97 %	97 %
Sodium Hydroxide	3 %	3 %
Ethyl Violet	NIL	0.03 %

Note, these figures represent the dry constituents. The product will additionally contains 14 % to 18 % water.

Physical properties: NATO test standard STANAG No 1411

	Intersorb 408 NI and WV Typical data	Specification
Particle size		
Over 5.60 mm	0 %	1 % max
4.75 to 5.60 mm	0 %	7 % max
2.00 to 4.75 mm	Balance	Balance
0.600 to 2.00 mm	4 %	15 % max
Under 0.600 mm	0.3 %	1 % max
Moisture content	16 %	14 % to 20 %
Hardness (% Retained on 2.5mm screen)	91 %	75 % minimum
Resistance to flow (40 L/min, absorber 10 cm diameter, 12.5 cm height, volume 1 litre.)	0.9 mbar unused 1.1 mbar used	

Carbon Dioxide absorption: **NATO test standard STANAG No 1411**

	Intersorb 408 NI and WV Typical data	Specification
Time to 0.5 % CO ₂ breakthrough (minutes)	74 minutes	60 minimum
CO ₂ capacity L/kg	124 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

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