DESCRIPTION:

The Drass CO2 Scrubber is used as a CO2 removal system in the hyperbaric environment, in chambers and diving bells. The design is continuously enhanced thanks to the hundreds of units installed worldwide.

Thanks to its compact size and its efficiency, the installation of the Drass CO2 scrubber on board hyperbaric chambers is recommended either as main or as emergency scrubbing system.

The primary function is to remove CO2 by means of a chemical reaction with a carbon dioxide adsorbent, that can be easily replaced by removing the canister and passing it through the chamber food lock. Drass scrubbers are intended for use with 4-8 mesh size granules, a size at which absorption surface area and resistance to flow are optimized. To reduce odours and other contaminants, scrubbers can be partially filled with activated carbon, catalysts or zeolites.

Scrubbers are equipped with a high flow centrifugal fan. The fan performance has been tuned with the absorption time specific to the contaminated gas in the sodalime, in order to get the best results from the adsorbent. The brushless fan is internally protected from overcurrent.

CO2 SCRUBBER

97 - Diver Personal Equipment & Components

CO2 Scrubber Dimensions	
Length x Width x Height	200 x 250 x 370 mm
Weight (when empty)	6 kg
Environmental Data	
Ambient Temperature	-10 ÷ +55 °C
Max Operating Pressure	500 msw
Relative Humidity	0-100%
Performance Data	
Max Flow	60 m3/h
Typical Performance	3 divers producing 50 lph of CO2 each (DNV OS-E402 reference)
Electrical Data	
Voltage	24 Vdc
Current	350 mA at surface; 500 mA at 500 msw
Power	7.5 W
Basket Capacity	5L of sodalime
RPM	5400

COMMERCIAL CODE	DESCRIPTION
97CM-06-02-01-00-00	CO2 Scrubber for removal of CO2 inside the hyperbaric environment