

CO² SCRUBBER / HEATER MOTOR CE-24/4200-FAN

The CE-24/4200-FAN is designed for air/mixed gas in Diving Complex environments and fits in to most CO² Scrubbers and Bell or Chamber Heaters. The CE-24/4200-FAN can also be used as a stand-alone circulating Fan for the Chamber if fitted with the optional Guard (CE-150F/MG). A speed controller CE-24/3A-MC can be fitted (if required) in Saturation Control so that speed can be controlled from 0-100%. Motor is capable of going to maximum diving depth of 300MSW in Air/Mixed Gas Diving Complexes.

The CE-24/4200-FAN measures 172 OD x 51mm and comes fully terminated with a 500mm 2 Pin Subsea Connector and Locking Collar. This is a 24V DC Diagonal Fan with electronically commutated external rotor motor. Commutation electronics completely integrated and potted with epoxy resin and has reverse polarity protection along with over current protection.

In the event of the Fan becoming overloaded ie obstruction, the electronics will completely shut down and retry again after three seconds. The CE-24/4200-FAN produces 540 m³/h @ 4300 RPM and can operate from -20°C to 75°C.

The Motor is installed with maintenance free stainless steel ball bearing. The Fan requires very little or no maintenance. Regular cleaning is advised along with checking the integrity of the Connector.



Specifications

Depth	:	51mm
Outer Diameter	:	172mm
Flow Rate	:	149.9 l/s
Power Connection	:	CE-2MT
Flow Rate Metric	:	540m ³ /h
Power Consumption	:	37W
Supply Voltage	:	24V DC
Protection Against	:	Heat, Current, Load, Voltage, Reverse Polarity, Overload
Speed	:	Air - 300MSW 4300 RPM ± 25%
Housing Material	:	Aluminium with grounding lug for screw M4 x 8 (TORX)
Locked Rotor Protection	:	Electronic blocking protection / electronic current limit at start up
Material of Impeller	:	Fibreglass reinforced PA Plastic

