


Monoplace Hyperbaric Chamber

Althea 4200



 **PCCI**
Hyperbaric Systems

Innovation & Excellence in Hyperbarics

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Chamber Description:

The 4200 chamber system is a single lock hyperbaric chamber designed for clinical hyperbaric therapy applications not involving decompression exposures. The single lock design helps minimize size, weight and cost of the chamber where those items are important. The 42" diameter chamber is most suitable where available space is limited. The chamber is pressurized with air while patient breathes oxygen through a hood or mask. The pressure and ventilation controls are pneumatically operated and require no electrical power.

Easy to use control

The state of the art pneumatic controls of the 4200 series chambers are very easy to operate with minimum maintenance. Chamber and its controls are designed with the patient's comfort and safety in mind.

Minimum operator input is required for normal treatment protocols. However, pressurization and ventilation controls are easily adjustable as needed to meet any prescribed protocol.

The chamber includes an intercom system that allows two-way communication between the operator and the patient. This system also permits audio and video entertainment for the patient. The communications are powered through a small power supply that plugs into a standard 110/220 VAC wall outlet. The communication system is also provided with an on-board battery backup to supply power to the communication system in the event of a power outage.



Key Features:

- Spacious Interior.
- Door seals with pressure - No mechanical latching is required.
- (3) 10" diameter PVHO compliant windows are provided for viewing and lighting purposes.
- (1) 10" diameter PVHO compliant window is provided for watching video inside the chamber.
- Easy to use, semi-automatic pressurization, depressurization, and ventilation controls.
- Includes pressurization and depressurization controls operable from inside the chamber. Consequently, patient self-exit is possible.
- Constant oxygen monitoring with oxygen analyzer system.
- Provided with (4) IV fluid passthrough ports.
- 4 wheel castors for easy chamber movement.
- Requires low maintenance as most of the key components are pneumatically operated.
- Chamber comes in four attractive color choices: White, Turquoise, Light Gray, Aqua Blue.

Specification:

Chamber Configuration	Cylindrical with round door & viewports
Max. Operating Pressure	3.0 ATA (30 psig, 2.07 Bar)
Design Pressure	3.38 ATA (35.0 psig, 2.41 Bar)
Design Temperature	50° to 125° F (10° to 51.67° C)
Internal Diameter	41.5 in (1054.1mm).
External Height	48 in. (1219mm)
External Width	46 in. (1066.8mm), fits through a standard 48" wide door.
External Length, Overall	90 in. (2286mm)
Weight (Approx)	1900 lbs (1043 kg)
Maximum Patient Weight Capacity	500 lbs (227 kg)
Chamber Pressurization	Air (hyperbaric or medical grade)
Gas Supply:	
Pressure Range	50 to 100 psig (3.4 to 6.8 Bar)
Peak Flow	30 scfm (850 slpm) (pressurization period only)
Continuous Flow	3.2 to 10.6 scfm (90 to 300 slpm) (for chamber ventilation)
Ventilation:	
Continuous	90 lpm (fixed)
Adjustable	90 to 300 lpm
Chamber Breathing Gas Supply	Oxygen (medical grade)
Pressure Range	45 to 60 psi
Peak Flow	90 lpm (3 scfm)
Power Requirement	110/220VAC, 50/60 Hz, 9.6 Watt

