

Triple Lock Hyperbaric Chamber



The 12000T Series of multiplace chambers are designed for clinical hyperbaric therapy applications including treating critical care patients. The triple lock design allows easy ingress and egress while chamber is at depth. The entry lock includes a sink with hot and cold running water.

The triple lock multiplace chamber offers ample room, versatility and provides exceptional patient comfort.

The 12000T Series is available with seating for 19 - 31 patients and up to 5 attendants.

Notable features of a PCCI Hyperbaric Systems Triple Lock Multiplace Hyperbaric Chamber

- Rectangular doors throughout. The exterior door to the critical care lock is large and easy to use with a 39" x 72" (99 cm x 183 cm) opening, big enough for an ICU bed
- Door sills are flush with the chamber and exterior building floors for ease of patient transport
- 13 PVHO grade windows are provided in chamber shell for maximum visibility of the chamber interior
- Segmented PVHO shell fabrication permits installation in locations with limited access and allows for passage through existing doors
- The chamber is equipped with intuitive and easy to use controls
- Our systems provide a quiet and comfortable experience
- Versatile patient seating in fixed, swivel, or fold-able format. Chairs can easily be adjusted along the length of the chamber
- Recliners available as an option
- All seat cushions are rated for hyperbaric use and are easy to maintain & clean thus minimizing efforts required for infectious disease control
- Attendant has a convenient jump seat that folds up and out of the way

Specifications

12000 Series

Chamber Capacity:

12000 Chamber Series

	Entry Lock	Treatment Lock 1	Treatment Lock 2
Patients seated	Up to 3	Up to 14	Up to 14
Patients supine	0	2	2
Attendant seated	1	2	2

System Performance:

Pressure Capability (3)	up to 6 ATA (73 psig)	up to 6 ATA (73 psig)	up to 6 ATA (73 psig)
Pressurization Rate	0-10 psi/min adjustable	0-5 psi/min adjustable	0-5 psi/min adjustable

Sound Levels:

Treatment conditions (1)	<70 dBA	62.5 dBA	62.5 dBA
Pressurization (2)	<84 dBA at 15 fsw/min	<65 dBA at 10 fsw/min	<65 dBA at 10 fsw/min
Depressurization (2)	<78 dBA at 15 fsw/min	<78 dBA at 10 fsw/min	<78 dBA at 10 fsw/min
Lock Air Conditioning	Optional	Standard	Standard

Chamber Specifications:

Interior Length	8'-0" (244 cm)	19'-0" (579 cm)	19'-0" (579 cm)
Interior Width	10'-0" (305 cm)	10'-0" (305 cm)	10'-0" (305 cm)
Interior Ceiling Height	8'-6" (259 cm)	8'-6" (259 cm)	8'-6" (259 cm)

Overall Weight @ 6 ATA: Approx. 140,000 lbs (63,500 kg)

Hyperbaric System Includes:

Air Pressurization/Depressurization & Ventilation System:

- Air Plant with low maintenance dual oil-less compressors
- Intuitive PLC based or touch screen controls to automatically pressurize and maintain chamber depth at desired ventilation rate
- Manual back-up controls for pressurization, depressurization, ventilation and all other essential safety controls

Built-in Breathing Gas System (BIBS):

- All patient stations support industry standard constant flow mask, hoods and nebulizers. There is no need for expensive demand masks
- "Set-and-forget" controls - BIBS gas flow to the patient can be set while chamber at surface, flow will automatically adjust with the pressure changes in the chamber
- Oxygen supply switches to fail-safe gas automatically in the event the fire suppression system is activated
- System supports high pressure gas manifolds for back-up oxygen, air and specialty gas
- Will operate on a standard 50 psig hospital oxygen supply system

Fire Suppression System:

- Deluge and handline are independently operated and designed to comply with NFPA 99 requirements
- Bypass system is installed to test the deluge Fire Suppression System without wetting chamber
- When activated system automatically turns power off to all non-essential electrical devices

Other System Features:

- Gas analysis system that provides real time oxygen levels in both locks
- Wired or wireless primary communications system with back-up sound powered phones
- Equipped with CCTV cameras for providing real time monitoring in both locks
- Optional pass-thru lock provided in main lock
- Optional patient entertainment system, TV & Blu-ray player with BOSE speaker system in main lock
- Optional AC system that runs of building hot & cold water supply
- Support for standard medical suction devices provided in both locks
- All seat cushions are rated for hyperbaric use and are easy to maintain & clean thus minimizing the efforts required for infectious disease control

Notes: 1. ACS blower operating at 50% capacity & chamber ventilation rate at 100 scfm
2. From standard control valves. Values are higher when using emergency valves.
3. Each lock can be pressurized independently of each other

Additional options available on request.

Options may be easily added or removed to improve functionality or meet budget needs.

All PCCI Hyperbaric Systems chambers are designed to fully meet current editions of all applicable codes including:

NFPA 99; "Health Care Facilities" chapter 14 "Hyperbaric Chamber"

ASME PVHO-1; "Safety Standards for Pressure Vessels for Human Occupancy"

Section VIII, Division 1 of "ASME Boiler & Pressure Vessel Code"

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