



8400 Cylindrical Multiplace Chamber

The Series of rectangular multiplace chambers are designed for clinical hyperbaric therapy applications including extended treatments. The entry lock of these chambers are designed to allow patient or staff transfer during treatment if necessary. **This system combines superior patient comfort & care at an excellent value.**

The 8400 Series is available in three sizes. The **8406D** is designed to accommodate 6 patients & 1 attendant. The **8408D** is designed to accommodate 8 patients & 1 attendant and **8410D** is designed for 10 patient and 1 attendant.

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

- FDA 510(K), ASME/IVHO, NFPA 99 compliant.
- Rectangular doors with a 32"x 66" (81 cm x 168 cm) opening in Main Lock Each door is complete with a 10" view port.
- Six PVHO grade windows are provided in main lock and entry lock for maximum visibility of the chamber interior.
- Externally mounted PCCI LED lights for maximum safety and adequate illumination inside the chamber.
- The chamber is equipped with intuitive and easy to use touch screen controls with.
- Designed to have an attractive and efficient interior and exterior.
- Provide a safe, very quiet and comfortable patient experience during HBO treatment.
- Versatile patient seating in fixed, swivel, or fold-able format. Chairs can easily be adjusted along the length of the chamber, optional recliners
- All seat cushions are rated for hyperbaric use and are easy to maintain & clean thus minimizing efforts required for infectious disease control
- Equipped with PCCI efficient air conditioning system with manual backup.

Specifications

8400 Series

Chamber Capacity: 8400 Chamber Series	8406D	8408D	8410D
Patients seated, Main Lock	6	8	10
Patients seated, Entry Lock	3	3	2
Patients' supine, Main Lock	2	2	2
Attendant seated, Main Lock	1	1	1
Attendant seated, Entry Lock	1	1	1
System Performance:			
Pressure Capability	up to 3 ATA (30 psig)	up to 3 ATA (30 psig)	up to 3 ATA (30 psig)
Pressure Capability (optional)	up to 6 ATA (73 psig)	up to 6 ATA (73 psig)	up to 6 ATA (73 psig)
Pressurization Rate	0-5 psi/min adjustable	0-5 psi/min adjustable	0-5 psi/min adjustable
Chamber Specifications:			
Overall Length	17'-10" (544 cm)	19'-10" (605 cm)	22'-4" (681 cm)
Interior Length, Main Lock	10'-5" (318 cm)	12'-5" (378 cm)	14'-6" (442 cm)
Interior Length, Entry Lock	4'-8" (142 cm)	4'-8" (142 cm)	4'-8" (142 cm)
Interior Width	7'-0" (213 cm)	7'-0" (213 cm)	7'-0" (213 cm)
Interior Ceiling Height	6'-3" (191 cm)	6'-3" (191 cm)	6'-3" (191 cm)
Overall Weight @ 3 ATA	32,000 lbs. (14,500kg)	38,000 lbs. (17,240kg)	44,000 lbs. (19,958 kg)
Overall Weight @ 6 ATA	41,000 lbs. (18,600)	47,000 lbs. (21,320 kg)	52,000 lbs. (23,587 kg)

Hyperbaric System Includes:

Air Pressurization/Depressurization & Ventilation System:

- Air Plant with low maintenance dual oil-less air 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 and hoods and. Expensive demand masks not required
- "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 systems are independently operated and designed to comply with the NFPA 99 requirements
- The Bypass system is installed to test the deluge System without wetting chamber interior
- When activated system automatically turns power off to all non-essential electrical devices

Other System Feature:

- System Features: When activated system automatically turns power off to all non-essential electrical devices
- 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 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 efforts required for infectious disease control.

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 Chambers"

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

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

300 North Lee Street • Suite 201
Alexandria • Virginia 22314 • USA

www.pccihyperbarics.com
info@pccihyperbarics.com

Tel: +1-703-229-1096

