



# Dual Lock Hyperbaric Chamber

*The 8400D Series of multiplace chambers are designed for clinical hyperbaric therapy applications including extended treatments. The entry lock of these chambers are designed to allow ingress and egress during treatment if necessary.*

*This system combines superior patient comfort & care at an excellent value.*

*The 8400D Series is available in two sizes. The 8406D is designed to accommodate 6 patients & 1 attendant. The 8408D is designed to accommodate 8 patients & 1 attendant.*

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

- Rectangular doors with a 32"x 66" (81 cm x 168 cm) opening are available for entry into Entry Lock and Main Lock. Each door is complete with a 10" viewport.
- Six PVHO grade windows are provided in main lock for maximum visibility of the chamber interior. Two PVHO grade windows are provided in the entry lock
- External canty or internal LED lights are provided throughout the chamber
- The chamber is equipped with intuitive and easy to use controls
- Designed to have an attractive and efficient interior and exterior
- 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
- 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
- Air conditioning & carbon dioxide scrubber is available upon request

## Chamber Capacity:

8400 Chamber Series	8406D	8408D
Patients seated, Main Lock	6	8
Patients seated, Entry Lock	3	3
Patients supine, Main Lock	2	2
Attendant seated, Main Lock	1	1
Attendant seated, Entry Lock	1	1

## System Performance:

Pressure Capability	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)
Pressurization Rate	0-5 psi/min adjustable	0-5 psi/min adjustable

## Chamber Specifications:

Overall Length	17'-10" (544 cm)	19'-10" (605 cm)
Interior Length, Main Lock	10'-5" (318 cm)	12'-5" (378 cm)
Interior Length, Entry Lock	4'-8" (142 cm)	4'-8" (142 cm)
Interior Width	7'-0" (213 cm)	7'-0" (213 cm)
Interior Ceiling Height	6'-3" (191 cm)	6'-3" (191 cm)
Overall Weight @ 3 ATA	11,000 lbs (4,980 kg)	13,000 lbs (5,896 kg)
Overall Weight @ 6 ATA	14,000 lbs (6,350 kg)	16,000 lbs (7,257 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 systems 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 off 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

*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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