

Continuing 50 Years of Excellence

Manufacturing the largest Hyperbaric Chambers

Introducing The Sigma 40-II

2 Person Chamber



The SIGMA 40-II Hyperbaric System provides hyperbaric oxygen therapy for two patients. The system is pressurized with breathing quality air. Patients are seated in comfortable, adjustable, fully padded treatment chairs. Patients breathe pure oxygen through a built in breathing system (BIBS), using "Duke" style hoods. Patient Comfort is of utmost priority in the design of the SIGMA 40-II. The world's largest diameter acrylic greatly reduces containment anxiety while the reclining seats maximize comfort during treatment.

Features:

- Multiple Position Seating
- Easy Patient Transfer System
- Flexible Entertainment Capabilities with TV/iPod
- Single Patient Gurney Option
- Up to 750 Pound Capacity
- Largest 2 Person Patient Chamber



HYPERBARIC THERAPY SYSTEMS
MONOPLACE • DUALPLACE • MULTIPLACE

Sigma 40-II

The **SIGMA 40-II** provides many features for both the patient and operator. These features include the following:

- Automatic Pressurization and Depressurization after rates are set.
- Automatic ventilation of the chamber with adjustable rate control and rate meter.
- Plugged blank chamber pressure boundary penetrations are provided to accept optional equipment feed-through fittings.
- Four (4) each smooth bore penetrations to accept any combination TCPO2 and 19 pin electrical feed-through penetrators. This provides the capability to connect patient monitoring (such as EEG and ECG).
- Four (4) each Chamber penetrations to accept connections for intravenous medications during treatment.
- Four (4) each Ventilator feed-through connections
- One (1) each non-invasive blood pressure monitor feed-through
- One (1) each 3/4" NPT (not designated for a specific use)
- The ability to hear, see, and monitor the patient at all times during treatment.
- A discrete power source allows continued operation of chamber communications in the event of a power outage.
- Chamber controls are completely pneumatic in nature and require only a compressed gas source.
- Chamber may be ordered with door and controls configured for right or left hand operation.

Technical Specifications

	PRESSURES:		DIMENSIONS:	
Maximum Operating Pressure:	30 psig (66 FSW)	2.07 bar (3 ATA)	Overall Length:	108 inches 274.3 cm
Design Temperature Range:	32 F to 100 F	0 C to 38 C	Overall Width:	61 inches 154.9 cm
Air Supply	50 to 90 psig @ 40 scfm	3.45 to 6.2 bar @ 1130 lpm	Width (exc. BIBS console):	46 inches 116.8 cm
BIBS Supply (O ₂):	50 to 90 psig @ 210 lpm	3.45 to 6.2 bar @ 210 lpm	Overall Height:	81 inches 205.7 cm
Standby Air Supply	50 to 90 psig @ 210 lpm	3.45 to 6.2 bar @ 210 lpm	Height (w/out arm):	68.75 inches 174.6 cm
Ventilation Rate:	150 to 385 lpm	150 to 385 lpm	Internal Diameter:	40 inches 101.6 cm
Pressure Change Rates:	1 to 5 psi / min (approx.)	0.07 to .34 bar / minute	Internal Length (stretcher length):	93 inches 236.2 cm
Emergency Depressurization Rate:	3 ATA to Ambient in 6 min. or less		Internal Volume:	69.3 cubic feet 1.962 cubic meters
Maximum Patient Weight (Gurney)	500 lb.	227 kg.	Weight (approx):	3,500 lb. 1,590 kg.

Fire Suppression System Water Pressure Requirements:

Main Deluge:	60 gpm @ 110 psig
Handline:	10 gpm @ 85 psig

All Perry systems meet or exceed current requirements of ASME, PVHO-1, NFPA-99, Title 21 Code of Federal Regulations Part 820, and are registered with the National Board of Boiler and Pressure Vessel Inspectors. The language of this document may be changed to satisfy international customers, but the content must remain the same. Changing the language will not change the revision or document number.

Excellence in Hyperbarics



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