

S I G M A M P

M U L T I P L A C E H Y P E R B A R I C S Y S T E M

Sigma MP Multiplace Hyperbaric Systems (the "Sigma MP Series") are designed to specification for hospitals expecting high treatment volumes or significant critical care requirements. Customized patient capacities, internal diameters, multiple compartments and a wide variety of accessories make each system unique. A free-standing operator control console with color video monitors is included.



Sigma MP Series control consoles are custom designed for maximum operator efficiency.

FLEXIBILITY

The Sigma MP Series is available in standard 6, 8, 12, or 18 patient configurations, or custom designed to meet larger patient requirements. The Sigma MP Series permits treatment of seated, supine, or wheelchair patients. One gurney replaces three removable seats. Dual or multiple compartments allow for a variety of simultaneous treatment protocols.

PATIENT COMFORT

Our standard systems provide a minimum of 100 cubic feet of space for each seated patient. A floor level, rectangular entrance door to the main treatment compartment allows gurney and wheelchair access with ease. Individual patient seats are designed for utility, comfort and compatibility with the intended environment. Ergonomic cushioned seats with arm rests, cervical and lumbar supports, and fold-out foot rests increase patient comfort. Seats are easily removed for sanitizing or replacement. Two attendant jump seats are included. An environmental control system maintains the interior temperature level. Ample acrylic viewports and a warm

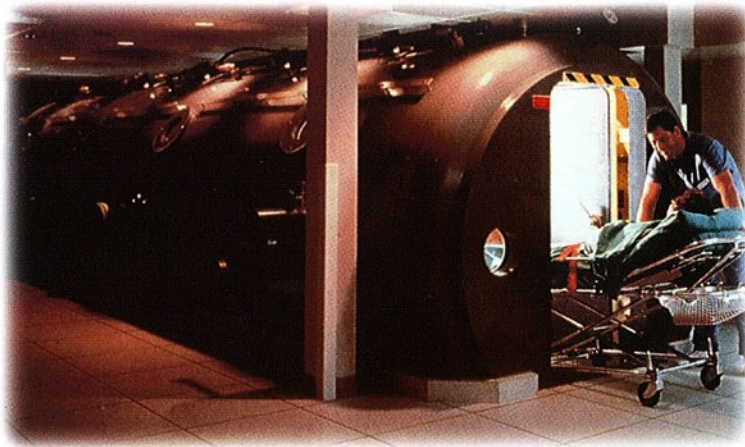


Sigma MP Series features spacious, comfortable interiors and ergonomically designed patient seating.

white interior increase patient treatment acceptance by reducing the likelihood of confinement anxiety. Cool fiber optic lighting with zoned dimmer controls, a noise reduction system, and a ventilation system are standard features. Entertainment systems are available in audio or projection TV/video systems.

SAFETY

Pressurized with air for increased safety, the multiplace system features a built-in breathing system (BIBS) which provides treatment breathing gas for patients and attendants. Individual oxygen supply is adjustable at each patient console. Standard oxygen monitors measure continuous percentage of oxygen in each



compartment and in the BIBS delivery system. Patient exhaust is directed outside the compartment to prevent build-up of oxygen. UV flame detectors and fire suppression systems are standard features on

every Sigma MP. A color closed circuit TV monitoring system in each treatment compartment provides constant surveillance of chamber occupants and activity. Intrinsically safe communications systems and back-up, sound-powered telephones are also standard safety features.

PATIENT ACCESSIBILITY

The entry lock permits a physician or attendant to enter or leave the system dur-



The medical lock is a convenient way to pass refreshments or medical supplies in and out of the system.

ing treatment, allowing for treatment of acute patients.

COST-EFFECTIVENESS

The Sigma MP Series reduces staffing requirements per patient while increasing the number of patients that can be treated. The built-in breathing system provides optimal oxygen consumption per patient. Perry offers a variety of flexible financing options for equipment acquisition.

EXPERIENCE AND RELIABILITY

The Sigma MP Series has been designed by our staff engineers who have extensive industry experience. Perry's expert engineering team will assess each customer's individual needs, and assist in designing the most appropriate and efficient hyperbaric facility possible. Over one million patient treatment hours have been performed in Perry systems. Perry has completed numerous multiplace system installations worldwide, with systems in continuous operation since 1979. A customer list is available for references. Perry's highly-trained factory service team is efficient and responsive to customer needs.

CODES AND STANDARDS

The Sigma MP Series is designed, fabricated, assembled, tested and installed in accordance with the following codes and standards, current edition:

- ASME PVHO-1, Safety Standards for Pressure Vessels for Human Occupancy
- ASME Boiler and Pressure Vessel Code, Section VIII, Division I, Pressure Vessels
- ASME Boiler and Pressure Vessel Code, Section IX, Welding Qualifications and Procedures
- 21 Code of Federal Regulations, Chapter 1, Part 820, Good Manufacturing Practices for Medical Devices
- NFPA 99 Health Care Facilities
- Registered with the National Board of Boiler and Pressure Vessel Inspectors

BUILDING SERVICE REQUIREMENTS

(Typical of a standard Sigma MP-12) Detailed requirements provided within 60 days of purchase.

- Building must adhere to construction requirements specified in NFPA 99, Health Care Facilities.
- A minimum space of 4000 sq. feet (372 sq. meters) is recommended to house a standard Sigma MP-12 Multiplace Hyperbaric System including compressors, fire suppression tanks and other support equipment. Smaller systems may require less space.
- Optimal patient comfort is achieved if the room is maintained at 68°-72°F (20-22.2°C).
- Oxygen Supply: Minimum pressure of 150 psig (10 bar). Minimum flow 100 SCFM (2,832 lpm).
- Exhaust Line: Built-in breathing system (BIBS) and compartment exhausts.
- Electrical Service: Compressor power 480 VAC, Chamber power 208 VAC single phase, Hyperbaric system fire alarm interconnect to building central alarm system.
- Electrical Ground: Electrical ground connection to chamber in accordance with national electrical code.
- Water Supply: Compressor cooling water supply and return. ECS hot and cold water supply and return. Fire suppression water supply.
- Drains: Compressor drain. Air receiver drain. Chamber water drain. Fire suppression stand water drain.
- Intake: Compressor intake from clean atmosphere.

TECHNICAL SPECIFICATIONS

(Standard Sigma MP-12)

Maximum Operating Pressure.....	73.5 psig/6 ATA (6 bar)
Internal Diameter.....	96 in. (244 cm)
Overall Length.....	32 ft. (9.75 m)
Main Compartment Length.....	24 ft. (7.32 m)
Entry Lock Length.....	6.5 ft. (1.98 m)
Weight.....	32,000 lbs. (14,515 kg)
Rectangular Entry Door.....	32 in. x 66 in. (81 cm x 168 cm)
Circular Entry Door (2).....	36 in. ID (91 cm)

View Ports:

End Heads (CCTV Camera Ports).....	4 in. ID (10.16 cm)
Entry Lock (2).....	10 in. ID (25.4 cm)
Main Compartment (6).....	10 in. ID (25.4 cm)

Medical Lock:

One 12 in. ID x 18 in. (30.48 cm x 45.72 cm) long bolt-on medical lock in the treatment compartment.

GENERAL WARRANTY

Perry Baromedical Corporation guarantees that the equipment manufactured by Perry will be free from defects in materials and workmanship under normal use for a period of 12 months from the date of delivery. Extended warranty and service programs are also available.

For more information, please contact our Marketing Department at 800-741-4376

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