

*Spacious large
diameter cylinder*

*User friendly
control panel*

*Patient call
assembly*

*Critical care support
via specialized ports and
pass-throughs located on
chamber door (not visible
on photo) and side hull*

*Easy access
flow meter*

*Convenient private two-way
communication system*

*Optional extra-wide stretcher with
adjustable backrest and mattress*

*Door
interlock
device*

M O D E L 3 2 0 0 F E A T U R E S

THE LEADER IN ADVANCED DESIGN

The Model 3200 chamber is a monoplace hyperbaric oxygen chamber designed for use in clinical environments requiring critical care support. The body of the pressure chamber is fabricated of polished acrylic that meets the Safety Standard for Pressure Vessels for Human Occupancy. All of the pressure retaining parts such as the tie rods, doors and end caps are constructed of American Society of Mechanical Engineers (ASME) approved aluminum



Intravenous infusion (shown) and other critical care support are easily accommodated through specially designed ports and pass-throughs.

and stainless steel.

The Model 3200 chamber has a pneumatic control system and can operate on oxygen or air via a built-in gas selection panel.

With a maximum pressure of 30.0 psig (3.0 ATA, 206.8 kPa), the Model 3200 chamber is capable

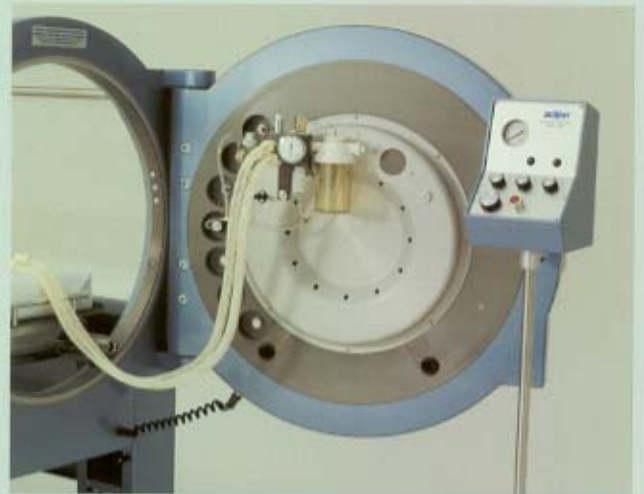
of operating through the

full range of pressurizations required by currently accepted clinical protocols. These and the following advanced features, along with a one-year warranty, make the Sechrist Model 3200 chamber an excellent choice for clinical use.

Capabilities for Critical Care Support

Using specially designed ports and pass-throughs, the Model 3200 chamber is designed to provide the following critical care capabilities:

- Respiratory support, using the Sechrist hyperbaric ventilator designed specifically for Sechrist monoplace hyperbaric chambers



Unique Sechrist hyperbaric ventilator provides respiratory support while automatically compensating for pressure changes within the chamber.

- Multiple intravenous infusion lines
- Electrical monitoring including EKG, EEG, temperature and blood pressure
- Transcutaneous oxygen monitoring
- Patient air-break breathing system
- Non-invasive blood pressure monitoring.

Safety Features

The Model 3200 chamber has been designed to the highest safety standards.

- All the components are spark resistant.
- The chamber and stretcher are grounded.
- A patient grounding strap is provided.
- The quick action chamber door is equipped with a door interlock system.
- The chamber may be pressurized with oxygen or air via a built-in gas selection panel.
- An emergency vent system allows the chamber to be depressurized within 60 seconds or less.
- The stretcher is supplied with a fire retardant mattress.



Electrical monitoring, including transcutaneous oxygen (shown), is possible during treatment.

- Should the gas supply unexpectedly fail, the chamber is designed to decompress at a comfortable linear rate.
- The chamber is equipped with a patient-activated call system, in addition to continuous audio monitoring via the two-way communication system.
- The redundant safety systems prevent over-pressurization.

Convenience and Maneuverability

The Model 3200 chamber is specifically designed for convenience and maneuverability in clinical settings.

- The chamber is lighter weight and more compact than other chambers of this size while still accommodating larger patients.
- The chamber can be transported in most hospital freight elevators.
- The chamber's casters allow for easy movement by two attendants.
- The chamber conveniently fits through standard 48-inch (121.92 cm) wide doors.
- The chamber can be moved within most hospital corridors and around hall corners.
- The chamber can be located on any floor within a building due to its evenly distributed weight displacement.

Operator Friendly

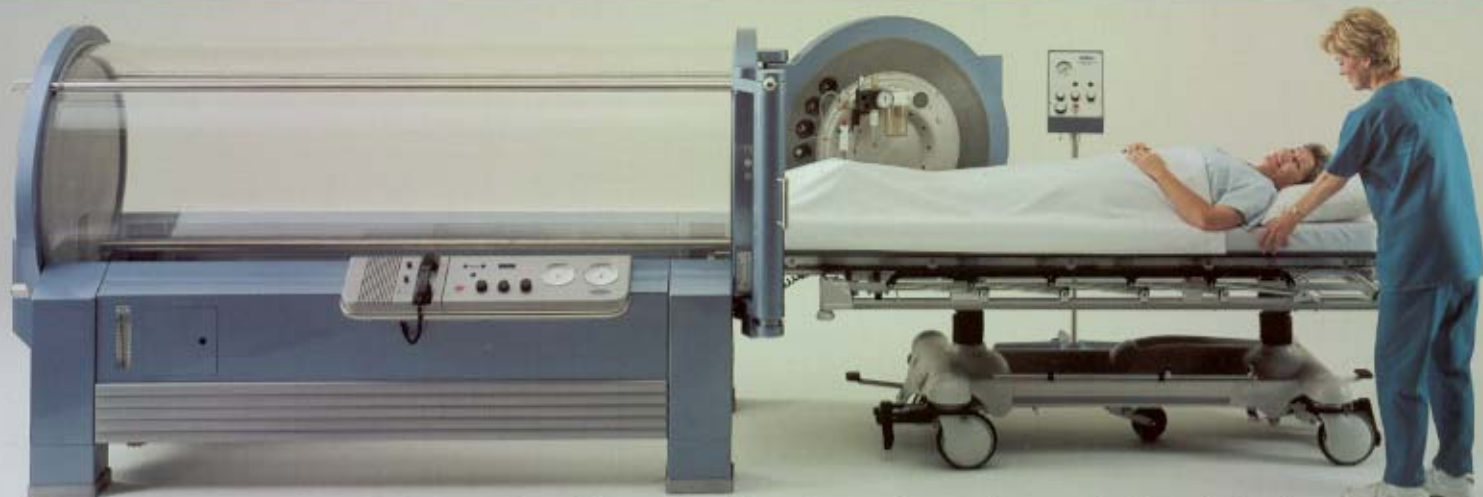
The Model 3200 chamber is designed to be functional and easy to operate.

- For operational flexibility, the chamber may be ordered with the control panel located on either side of the chamber, allowing one attendant to conveniently access two facing control panels on adjacent chambers.
- Only one attendant is needed to operate the chamber.
- The control panel is designed for simplicity of operation with easy-to-read gauges in psi and kPa with nominal ATA indications; other options are available.
- A counter to register the number of pressurization cycles is provided.
- Indicators to show gas supply selected are readily visible.
- The easily accessible flow meter allows for both monitoring and adjusting gas flow through the chamber.

Easy Installation

The Model 3200 chamber is easy to install in any clinical setting.

- All hookups are conveniently located at the back of the chamber.
- The necessary adapters and hoses for gas hookup are provided.
- No electrical power is required to operate the chamber beyond the intercom system, which requires a standard room electrical outlet.
- The chamber is designed to maximize space utilization and requires only minimal modification to an existing clinical treatment area.
- Installation is provided by manufacturer trained technicians.



Specialized gurney and stretcher are designed for patient comfort as well as ease of loading and unloading.

THE LEADER IN PATIENT COMFORT

The design of the Model 3200 chamber reflects the years of Sechrist experience in chamber manufacture and direct clinician interface to address the issue of patient comfort.

Large Interior Diameter

The 32-inch (81.3 cm) interior diameter is spacious, allowing ample freedom of patient movement while providing patient privacy.

- Confinement anxiety is minimized.
- Larger patients, weighing up to 450 lbs (204 kg), can be comfortably treated.
- Patients are able to rest in a reclined position with the head slightly elevated, so that patients who cannot tolerate a supine position can be treated.
- The optional deluxe extra-wide stretcher with adjustable backrest provides additional mattress width to accommodate larger patients and to allow elevation of the upper body up to a 20° angle.

Clear Chamber Body

The Model 3200 chamber body is fabricated of polished, clear acrylic.

- Patients can easily view their surroundings and view the television, which helps reduce anxiety.
- Attendant can easily view the patient for better monitoring and response to patient needs.

Easy Transport and Loading

The Model 3200 chamber system is designed for easy patient transport and loading.

- Patients can be transported on the chamber gurney, eliminating additional patient transfers.
- The chamber gurney stretcher slides easily into the chamber with minimal movement or jarring of the patient.
- The optional hydraulic gurney may be raised or lowered to meet the specific needs of each patient during transfers.

Multiple Communication Systems

The Model 3200 chamber includes multiple communication systems.

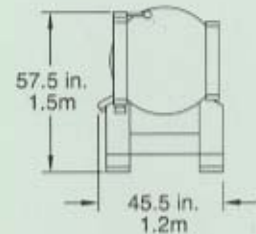
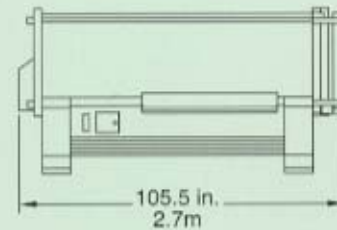
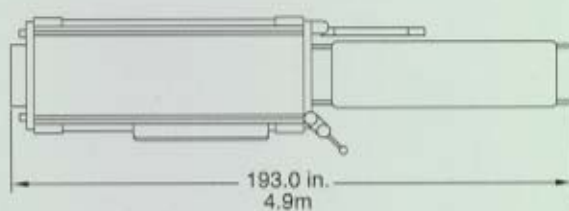
- The personal intercom system allows for private two-way conversation between patient and attendant.
- Continuous communication is maintained between attendant and patient via the intercom system even when the handset is not being used for private two-way conversation.
- A hand-held patient call assembly, with button activated device, emits an external audio tone to the attendant.
- Auxiliary audio-input enables television, stereo and VCR entertainment to be provided during treatment.

TECHNICAL SPECIFICATIONS FOR THE MODEL 3200 MONOPLACE HYPERBARIC CHAMBER

Internal diameter: 32.0 in (81.3 cm)
 Internal length: 90.0 in (228.6 cm)
 Internal volume: 42.0 ft³ (1.2 m³)
 External length: 105.5 in (268.0 cm)
 External width: 45.5 in (115.6 cm)
 External height: 57.5 in (146.1 cm)

Weight: 2029 lbs (920 kg)
 Maximum operating pressure: 30.0 psig
 (3.0 ATA, 206.8 kPa)
 Design temperature range: 50° - 100°F
 (10° - 38°C)
 Medical gas supply pressure:
 50.0 - 70.0 psi (344.7 - 482.6 kPa)

Compression/decompression rate:
 1.0 - 5.0 psi/min (6.9 - 34.5 kPa/min)
 Purge flow rate: 240 - 400 lpm
 Emergency vent rate: 30.0 - 0.0 psi
 (206.8 - 0.0 kPa) in 60 sec maximum



Codes and Standards

Sechrist Industries' design, manufacturing, service and installation systems are certified to ISO 9001, EN 46001 and ISO 13485 Quality Assurance Standards, meeting the requirements of the Medical Device Directive (MDD) 93/42/EEC. In addition, the monoplace hyperbaric system is designed, fabricated, assembled, tested and installed in accordance with the following codes and standards, current editions:

- ASME PVHO-1, Safety Standards for Pressure Vessels for Human Occupancy
- ASME Boiler and Pressure Vessel Code, Section VIII, Division I, Pressure Vessels
- NFPA 99 Health Care Facilities
- Registered with the National Board of Boiler and Pressure Vessel Inspectors

- U.S. Food and Drug Administration Requirement, 21 Code of Federal Regulations, Part 820
- ISO 9001, Quality Assurance Standard for Design, Development, Production, Installation and Servicing
- EN 46001, Application of ISO 9001 to the Manufacturer of Medical Devices
- ISO 13485, Quality Systems - Medical Devices for the Application of ISO 9001

For over 25 years, Sechrist Industries, Inc. has been the global leader in developing hyperbaric technology. In fact, monoplace hyperbaric chambers manufactured by Sechrist represent the largest installed base within developed nations. Our commitment to the field of hyperbaric medicine is unsurpassed as evidenced by our comprehensive range of equipment and support services, as well as specialized clinical services.

Widely recognized for the quality and reliability of our products, Sechrist Industries adheres to exacting design standards for all equipment components. We are the only manufacturer of monoplace hyperbaric chambers that manufactures its own acrylic pressure cylinder to meet rigid design standards. All of our products are supported by a Sechrist team of highly skilled, certified technicians whose services are available worldwide.



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