

SECHRIST

THE WORLD LEADER IN
HYPERBARIC TECHNOLOGY

*Comfortable 28 in (71 cm)
diameter cylinder*

*Equipped with both private
two-way communication system
and continuous audio monitoring*

*Critical care support
via multiple ports and
pass-throughs located
on the chamber door
(not visible on photo)*

*Comfortable stretcher supports
up to 400 lbs (180 kg) and can be
paired with optional wedge pillow
for additional patient comfort*

*Easy access service panels
at console and on both
sides of base*

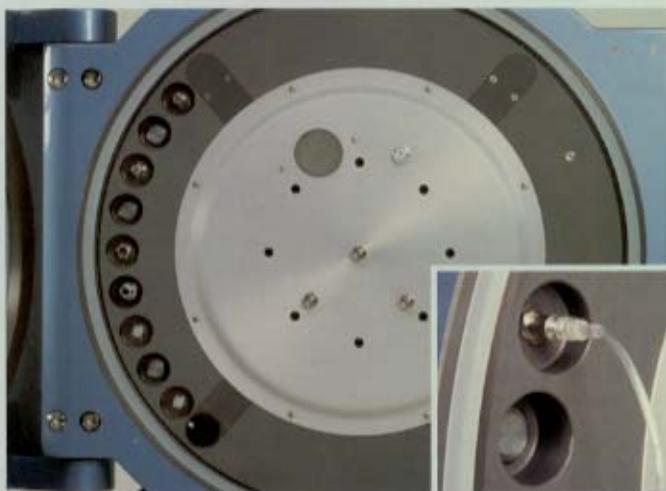
*Easy access
flow meter*

*Door
interlock
device*

M O D E L 2 8 0 0 F E A T U R E S

DESIGNED FOR CRITICAL CARE SUPPORT

The Model 2800 chamber is a monoplace hyperbaric oxygen chamber ideally suited for critical care support during therapy. The body of the pressure chamber is fabricated of polished clear acrylic that meets the Safety Standard for Pressure Vessels for Human Occupancy (ASME PVHO-1). 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 and stainless steel.



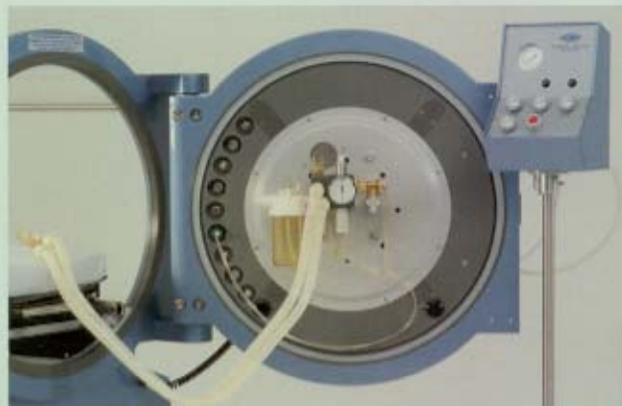
Multiple ports and pass-throughs accommodate critical care support equipment during therapy. Inset photo shows intravenous infusion capability.

The Model 2800 chamber is a pneumatically controlled system capable of operating through the full range of pressurizations to a maximum of 3.0 ATA, as required by currently accepted clinical protocols*. The advanced features, reliable performance and unmatched quality of the Sechrist Model 2800 chamber make it an excellent choice for clinical use with critically ill patients.

Capabilities for Critically Ill Patients

Using specially designed ports and pass-throughs, the Model 2800 chamber provides multiple critical care capabilities:

- mechanical ventilation support, using the Sechrist hyperbaric ventilator designed specifically for Sechrist monoplace hyperbaric chambers
- multiple intravenous infusion lines



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

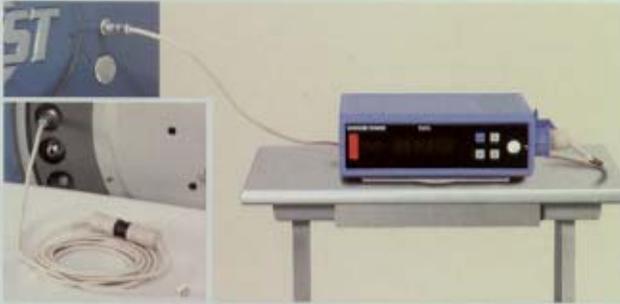
- electrical monitoring including EKG, EEG, temperature and blood pressure
- transcutaneous oxygen monitoring
- non-invasive blood pressure monitoring.

Safety Features

The Model 2800 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 stretcher mattress and optional pillows are fire retardant.
- The quick action chamber door is equipped with an interlocking system.
- An emergency vent system allows the chamber to decompress within 60 seconds or less.
- The chamber is designed to decompress at a comfortable linear rate, if the gas supply unexpectedly fails.
- The chamber is equipped with continuous audio monitoring and a private two-way communication system.
- The redundant safety systems prevent over-pressurization.

* Undersea and Hyperbaric Medical Society, *Hyperbaric Oxygen Therapy: A Committee Report 1996.*



Transcutaneous oxygen (TCOM shown), EKG, EEG, temperature and blood pressure monitoring may be done during therapy. Inset photo details the path of the TCOM electrode.

Convenience and Maneuverability

The Model 2800 chamber is easy to maneuver in clinical settings and is specifically designed to be compact and lightweight while still accommodating larger patients up to 400 lbs (181.2 kg). The chamber:

- can be transported in most hospital freight elevators
- fits through standard 48-inch (121.9 cm) wide doors
- moves easily when guided by two attendants
- moves within most hospital corridors and around corners
- can be located on any floor within a building due to its evenly distributed weight displacement.

Operator Friendly

The Model 2800 chamber is designed to be functional and easy to operate.



Models 2800R (shown on left) and 2800 allow one attendant to conveniently access two adjacent control panels.

- 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. The Model 2800 has a left-sided control panel and left to right opening door. The Model 2800R has a right-sided control panel and right to left opening door.
- 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.
- The easily accessible flow meter allows for both the monitoring and adjusting of gas flow through the chamber.

Easy Installation and Maintenance

The Model 2800 chamber is easy to install in most clinical settings.

- All connections are conveniently located at the back of the chamber.
- The necessary adapters and hoses for gas connections are provided.
- No electrical power is required to operate the chamber beyond the intercom system, which requires a standard 110v/220v outlet.
- The chamber is designed to maximize space utilization and requires only minimal modification to existing clinical treatment areas.
- Installation is provided by Sechrist-trained technicians.
- Efficient access for service technicians is provided through removable base panels and a hinged console.
- Simple periodic self-maintenance directions are provided in the User's Manual.
- Low cost annual service and maintenance programs are available.



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

THE LEADER IN PATIENT COMFORT

Sechrist Industries' years of experience in chamber manufacture and direct clinician interface is reflected in the comfort and security the Model 2800 chamber provides patients. The seamless, highly polished, clear acrylic body allows unobstructed viewing. This not only minimizes patient anxiety, but also allows the attendant to readily maintain constant observation of patients for faster response to patient needs.

Communication System

The Model 2800 chamber includes a multi-function communication system.

- Continuous audio monitoring of the patient is maintained via an internal chamber speaker.
- The system handset allows private two-way conversation between patient and attendant.
- The auxiliary audio-input allows television, stereo and VCR entertainment during treatment.

Easy Transport and Loading

The Model 2800 chamber includes a gurney and stretcher specifically designed for easy patient loading in and out of the chamber.

- The stretcher glides comfortably between the gurney and the chamber to minimize patient discomfort.
- Transport gurneys, including an optional hydraulic version that can be raised or lowered to meet specific patient needs, are available.

Optional Compatible Accessories

The following optional accessories are designed for use with the Model 2800 chamber:

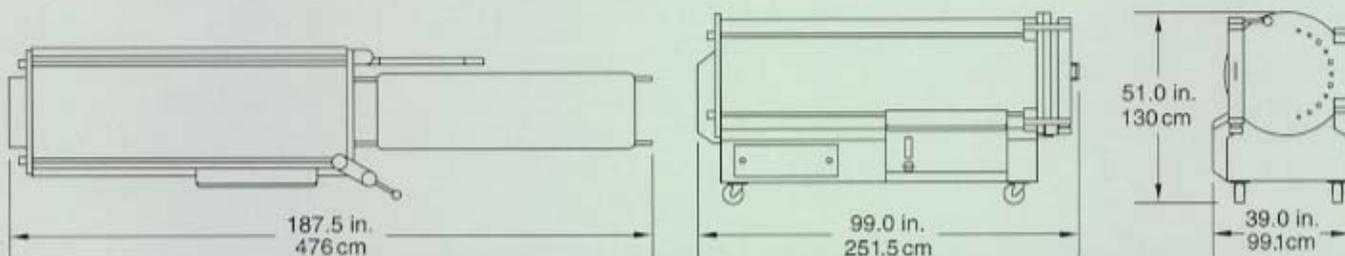
- Hydraulic Hyperbaric Transport Gurney with patient stretcher and mattress
- Fixed-Angle Wedge Pillow
- Hyperbaric Intravenous Infusion Extension Set* (case of 24 - disposable)
- Patient Call Assembly Kit
- Gas Selection Panel that allows chamber to be pressurized with either medical grade air or 100% oxygen
- 500A Hyperbaric Ventilator* with rolling stand, patient circuit and pressure hoses
- Ventilator Mounting Arm that allows 500A hyperbaric ventilator to be directly attached to the chamber
- Air Break Breathing Assembly with demand valve, hoses, fittings and two adult masks
- Air Filtration System
- Hyperbaric Infusion Pump (110v/220v)
- Transcutaneous Oxygen Monitor
- Non-Invasive Blood Pressure Monitor*

TECHNICAL SPECIFICATIONS FOR THE MODEL 2800 MONOPLACE HYPERBARIC CHAMBER

Internal diameter: 27.75 in (70.5 cm)
 Internal length: 85 in (213.4 cm)
 Internal volume: 29.38 ft³ (0.8 m³)
 External length: 99 in (251.5 cm)
 External width: 39 in (99.1 cm)
 External height: 51 in (130 cm)

Weight: 1200 lbs (544 kg)
 Maximum operating pressure: 30.0 psig
 (3.0 ATA, 206.9 kPa)
 Design temperature range: 50° - 100°F
 (10° - 37.8°C)
 Medical gas supply pressure:
 50.0 - 70.0 psi (344.8 - 482.7 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
 (206.9 - 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 Model 2800 monoplace hyperbaric system is designed, fabricated, assembled, tested, stamped and installed in accordance with the following codes and standards:

- 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
- CE marked in accordance with MDD 93/42/EEC.

*MDD 93/42/EEC, EU Authorized Representative
 AR-MED, Ltd (Company 3154742)
 Runnymede Malthouse, Egham, Surrey TW20 9BD
 United Kingdom*

CE 0120

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.

Distributed by:



Sechrist Industries, Inc.
 4225 E. La Palma Ave. • Anaheim, CA 92807 • USA
 Phone: 714-579-8400 • Fax: 714-579-0814
 USA and Canada: 1-800-SECHRIST (732-4747)
 Website: www.sechristind.com
 E-mail: info@sechristind.com