

# H-SERIES MONOPLACE

## HYPERBARIC CHAMBERS



The World Leader in  
Hyperbaric Technology

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# H-SERIES CHAMBER FEATURES



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The World Leader in Hyperbaric Oxygen Chambers

# Safety Meets Patient Comfort

All Sechrist hyperbaric chambers go through a thorough safety inspection that is monitored and maintained throughout the manufacturing process. In addition, Sechrist offers technical and customer support services to ensure quality throughout the life of the chamber. Each chamber has been designed with comfort in mind; all have a spacious interior, the ability for the patient to rest in the reclined position, and the capability to connect to an integrated entertainment system.



## Supports Critical Care

Sechrist chambers provide for respiratory support with an exclusive Sechrist ventilator, that automatically compensates for the pressure changes in the chamber. Chambers also accommodate:

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



## H-Series Chamber Patient Features

- Available in three spacious interior diameters – 33", 36", and 41".
- The 4100H model is the World's largest diameter hyperbaric chamber which offers maximum patient comfort.
- An optional fully integrated entertainment system allows the patient to watch television, movies and listen to music.
- Sechrist provides the only monoplace hyperbaric systems with two emergency vent modes.
  - The standard Emergency Vent System and separate exclusive Automatic Emergency Vent Switch, allow for decompression in less than 120 seconds.

## Technical Support

Our goal at Sechrist is the complete satisfaction of our customers. We have a team of dedicated and credentialed professionals who offer support for the entire line of Sechrist products. Those services include:

- Annual Preventative Maintenance Programs
- Total Care Extended Warranty Programs
- PVH02 Cylinder Inspections
- 10 YR Tune-Up
- On-site Overhauls
- Library of HOW-TO Videos on [sechristusa.com](http://sechristusa.com)

## Technical Spotlight



# Innovation Meets Functionality

Sechrist Industries, the world's leader in hyperbaric oxygen chambers, is always evaluating new innovations in order to make things easier for patients and caregivers alike. We make sure our chambers are held to the highest standard of quality so we can meet the satisfaction of both the caregiver and patient. The H-Series Chambers are the most advanced and functional chambers on the market. The new space-saving gurney storage\* allows hospitals and clinics the ability to store the gurney under the hyperbaric chamber. This additional storage frees up space in the hyperbaric treatment room, thus eliminating any extra needed room to store free standing chamber gurneys.



\*Applies to chambers with gurney storage feature

## Storage and Gurney Features

- Convenient storage allows for additional free space in the hyperbaric room eliminating need for wall space to store chamber gurneys.
- Headrest for Models 3600H and 4100H has an incline of 45° to allow for increased patient comfort (+/- 5°).
- Bariatric patients up to 700 lbs can be comfortably supported and OmniPressure Bariatric mattress is available.
- Increased stability is provided through the stretcher's four wheel locking braking system.
- Integrated O2 tank holder and IV Pole, optional.
- The hydraulic gurney is designed with ease of use and versatility in mind, it is simple to steer and stop while allowing for crisp cornering and control.

## Low Profile Features

- Eliminates or minimizes the use of step stools and staff assistance which potentially results in easier and safer patient access to getting onto the hyperbaric chamber gurney.
- Low Profile Gurney goes 5" lower from floor to top of mattress compared to Standard Gurney allowing for maximum patient comfort and safety.



Low Profile Gurney (on left) compared to Standard Gurney (on right).





## The Monoplace Hyperbaric H-Series Family

The latest innovation in our Hyperbaric H-Series family is under chamber gurney storage. The chambers come in a variety of models, ranging both in diameter and in color, allowing for superior patient comfort and the ability for customization. With a sleek, space saving design, the H-Series family reduces the need for extra gurney storage and increases versatility.



### MODEL 3300H

- Interior Diameter 33"
- Supports a patient weight of 500 lbs as standard

### MODEL 3600H

- Interior Diameter 36"
- Supports a patient weight of 700 lbs as standard

### MODEL 4100H

- Interior Diameter 41"
- World's largest diameter hyperbaric chamber
- Supports a patient weight of 700 lbs as standard



### Operator Friendly

- The control panel can be located on either side.
- Indicators to show gas supply.

### Increases Efficiency

- Equipped with precision controls that do not require adjustment during pressure changes.
- Oxygen conservation available through adjustable ventilation rates ranging from 450LPM to 80LPM.

### AVAILABLE IN THE FOLLOWING COLORS



SECHRIST BLUE  
STANDARD



WHITE  
STANDARD



SAHARA BEIGE  
CUSTOM



PLATINUM  
CUSTOM



CRYSTAL GREEN  
CUSTOM



JADE GREEN  
CUSTOM

# Specifications for H-Series Monoplace Chambers

## CODES & STANDARDS

Sechrist Industries' designs, manufacturing, services and installation systems are certified to ISO 13485 Quality Assurance Standard for Medical Devices. In addition, Sechrist Industries' products are designed, fabricated, assembled, tested 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 Codes, Section VIII, Division 1, Pressure Vessels
- NFPA 99, Chapter 14 Health Care Facilities
- Registered with the National Board of Boiler & Pressure Vessel Inspectors
- ISO 13485: 2016 Quality Insurance Standard for Medical Devices
- U.S. FDA Requirements, 21 CFR, Part 820
- CAN/CSA Std. 22.2, No. 601.1 UL 6060-1
- Certified to meet IEC 60601-1 including UL 60601-1 with U.S. Deviations

TECHNICAL SPECIFICATIONS BY MODEL			
	MODEL 3300H	MODEL 3600H	MODEL 4100H
INTERNAL DIAMETER	32.50 in (83 cm)	35.50 in (90 cm)	41.00 in (104 cm)
INTERNAL LENGTH	90.00 in (229 cm)	90.00 in (229 cm)	88.00 in (224 cm)
EXTERNAL LENGTH	106.00 in (269 cm)	106.00 in (269 cm)	106.00 in (269 cm)
EXTERNAL HEIGHT	63.00 in (160 cm)	66.00 in (168 cm)	73.00 in (185 cm)
EXTERNAL WIDTH	44.50 in (113 cm)	44.50 in (113 cm)	46.75 in (119 cm)
CHAMBER WEIGHT	2,030 lbs (923 kg)	2,220 lbs (1009 kg)	3,500 lbs (1591 kg)
SUPPORTED PATIENT WEIGHT	500 lbs standard (227 kg), 700 lbs optional (318 kg)	700 lbs standard (318 kg)	700 lbs standard (318 kg)

TECHNICAL SPECIFICATIONS ALL MODELS	
MAXIMUM OPERATING PRESSURE	30.0 pounds per square inch gauge (psig) • 3.0 atmospheres absolute (ATA) 2.1 kilograms per centimeter squared (kg/cm <sup>2</sup> ) • 206.9 kilopascal (kPa)
OPERATING TEMPERATURE RANGE	50° - 100° F (10° - 38° C)
OPERATING HUMIDITY RANGE	30 to 90% at 77° F (25° C)
SUPPLY PRESSURE	50.0 psig to 70.0 psig (3.5 to 4.9 kg/cm <sup>2</sup> , 344.8 to 482.7 kPa)
PURGE RATE	80 liters per minute (lpm) to 400 lpm with the chamber pressure set at 15 psig
EMERGENCY VENT RATE	30 psig to 0 psig in less than 120 seconds
RELIEF VALVES	Model 3300H/HR: Two, set at 35.0 psig Model 3600H/HR and 4100H/HR: Two, set at 36.0 psig



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