

# H-SERIES MONOPLACE

## HYPERBARIC CHAMBERS



**THE WORLD LEADER IN  
HYPERBARIC TECHNOLOGY**

Visit our websites:  
[www.sechristusa.com](http://www.sechristusa.com)

# H-SERIES CHAMBER FEATURES



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[www.sechristusa.com](http://www.sechristusa.com)  
[www.sechristhyperbarics.com](http://www.sechristhyperbarics.com)



# 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 (not CE), 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.

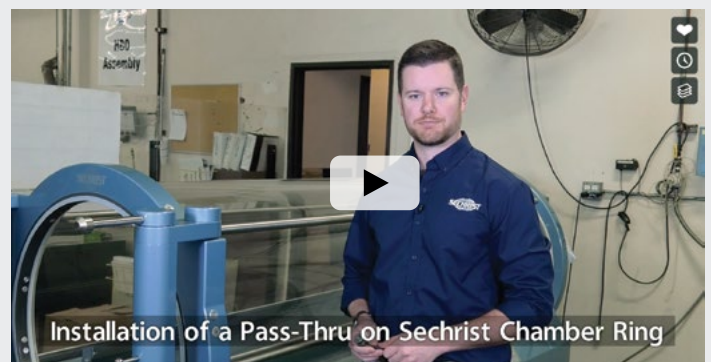
- The standard Emergency Vent System and separate exclusive Automatic Emergency Vent Switch, allow for decompression in less than 120 seconds.

## 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
- PVHO2 Cylinder Inspections
- 10 YR Tune-Up
- On-site Overhauls

Library of HOW-TO Videos on [www.sechristuniversity.com](http://www.sechristuniversity.com)



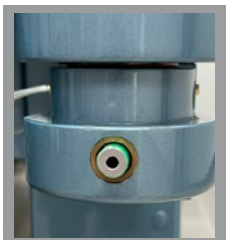


## THE MONOPLACE HYPERBARIC H-SERIES ENHANCEMENTS

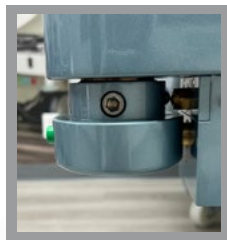
### DOOR LOCK INDICATOR

Our team is always working to improve our products to make the care you provide as efficient as possible. The new Door Lock Indicator is a new convenient feature that allows the chamber operator to easily verify the chamber door is securely locked.

- Provides visual confirmation that the Safety Lock Pin is fully engaged
- Green indicator is easily and clearly seen when the monoplace hyperbaric chamber door is properly closed
- Eliminates the need for the chamber operator to bend down to view if Safety Lock Pin is completely and correctly fully engaged in the Safety Lock Hole



FRONT VIEW



SIDE VIEW

### BUILT-IN ANTIMICROBIAL PRODUCT PROTECTION

Sechrist recognizes that the healthcare community continues to face the challenge of maintaining processes associated with cleaning and disinfection of surfaces and substances that can pose a risk to patient and caregivers. To assist in this process, Sechrist has added Built-in Antimicrobial Product Protection to all painted surfaces of Sechrist H Model Hyperbaric Chambers.

Sechrist Monoplace Chambers treated with Built-in Antimicrobial Product Protection will

- Inhibit the growth of odor and stain-causing bacteria, molds, mildews and fungi
- Reduces the build-up of microbial growth
- Helps hide fingerprints through proprietary methods
- Provides continuous microbe-fighting action



### AVAILABLE IN THE FOLLOWING COLORS



SECHRIST BLUE  
STANDARD



WHITE  
STANDARD



SAHARA BEIGE  
CUSTOM



PLATINUM  
CUSTOM



CRYSTAL GREEN  
CUSTOM



JADE GREEN  
CUSTOM

# 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.



## 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
- Integrated O2 tank holder and IV Pole, optional

## 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.

## AUTOMATIC GURNEY MECHANICAL HEIGHT STOP

- Allows for the gurney rails height to be set to always stop at the exact height of the chamber rails.
- Reduces the need to continually check to see if the rails are aligned.
- No longer requires 'feathering' of the gurney height which can lead to stretcher plate becoming uneven.
- Difficulty in lining up gurney to chamber is eliminated.
- Minimizes damage to chamber and door gasket when aligning.



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



# 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/HR	MODEL 3600H/HR	MODEL 4100H/HR
INTERNAL DIAMETER	32.5 in ± 0.5 in - 0 in (83 cm)	35.5 in ± 0.5 in - 0 in (90 cm)	41.0 in (105 cm)
INTERNAL LENGTH	89 in ± 1 in (226 cm)	89 in ± 1 in (226 cm)	90 in ± 1 in (229 cm)
EXTERNAL LENGTH	106 in ± 1 in (269 cm)	106 in ± 1 in (269 cm)	106 in ± 1 in (269 cm)
EXTERNAL HEIGHT	59 in ± 1 in - 0.5 in (150 cm)	63 in ± 2 in (160 cm)	67 in ± 2 in - 0.5 in (170 cm)
EXTERNAL WIDTH	44.50 in ± 0.5 in (113 cm)	44.75 in ± 0.5 in (114 cm)	46.75 in ± 0.5 in (119 cm)
CHAMBER WEIGHT	2,030 lbs. (921kg)	2,220 lbs. (1,007kg)	3,500 lbs. (1,588kg)
SUPPORTED PATIENT WEIGHT	500 lbs (227 kg) max standard/700 lbs (318 kg) max optional	700 lbs. (318 kg) max standard	700 lbs. (318 kg) max standard

### 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 (2.46 kg/cm <sup>2</sup> ; 241.3 kPa) Model 3600H/HR and 4100H/HR: Two, set at 36.0 psig (2.53 kg/cm <sup>2</sup> ; 248.2 kPa)



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