

BARA-MED[®]

MONOPLACE HYPERBARIC CHAMBER



O.S.C.A.R.[™] (Operating System for Control and Recordkeeping)

O.S.C.A.R.[™] is an integral part of the BARA-MED[®] chamber, designed to manage treatment protocols and maintain electronic records. Its computer-based automatic control system eliminates the need for operator dive-time management and log keeping while ensuring comprehensive and unassailable documentation of the procedure. These features enable your technicians to focus their attention on patient care and management, making them more effective and efficient.

Most Advanced Chamber for Patient Comfort and Safety

The BARA-MED[®] chambers offer SMOOTH·RIDE[™], a pressure-change technology that has been proven to reduce barotrauma without increasing maneuver times. Lacking a computer control system such as utilized by ETC, the best other chambers can offer is a rudimentary approximation of this most important feature.

Passive Pressure Relief Mattress

The BARA-MED[®] chambers come with a passive pressure relief mattress that not only improves normal patient comfort but makes it realistic to treat patients with conditions such as sacral ulcers without the risk of wound deterioration that exists with standard monoplace mattresses.

Greater Patient Volumes in Relation to Cylinder Diameter

The BARA-MED[®] chambers have scoop liters and rail placements that optimize the chamber space available for patients. As a result, ETC chambers provide greater patient volumes in relation to cylinder diameter than other monoplace chambers on the market.

Low Ventilation Rates

Since the first BARA-MED[®] was produced in 1987, ETC's monoplace chambers have provided a broad range of ventilation rates (i.e., 90-400 slpm). Accordingly, when patient thermal comfort can be maintained with low chamber ventilation rates, the BARA-MED[®] will enable you to minimize gas consumption and reduce operating costs.



Standard Features:

30-inch Inner diameter

O.S.C.A.R.TM's automatic control system:

- Electronic record of treatment
- Optional hard copy record of treatment

Hydraulic gurney:

- 500 lb capacity
- Passive bariatric pressure-relief mattress

Pneumatic back-up control system

Patient call button

Two-way communication

Auxiliary audio input

Left and right-handed configurations

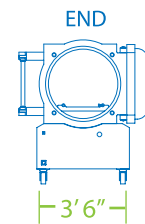
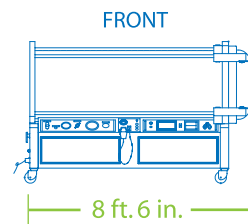
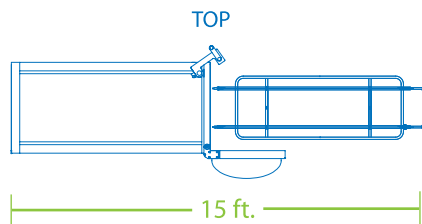
Patient monitoring and support interfaces:

- Transcutaneous oxygen
- General-purpose electrical penetrations for critical care and other functions (e.g., ECG, respiration, RR, body temperature, invasive blood pressure)
- IV infusion
- Non-invasive blood pressure
- Respiratory support
- Other general purpose pneumatic penetrations

Suitable for pressurization with air or oxygen

GENERAL SPECIFICATIONS:

Maximum Operating Pressure	3 ATA (29.4 psi)
Design Temperature	0 to 100°F (-18 to 30°C)
Hospital Gas Supply Pressure	50 to 100 psi (3.52 to 7.03 kg/cm ²)
Pressurization / Depressurization Rate	0.5 to 5 psi/min
Ventilation Rate	90 to 400 lpm
Emergency Exhaust Rate	30 psi to 1 ATA in under 60 seconds
Internal Diameter	30 in (762 mm)
Internal Length	89 in (2261 mm)
Internal Volume	40 ft ³ (1.13 m ³)
Overall Width	41 5/8 in (1057 mm)
Overall Length	103 in (2616 mm)
Overall Height	59 in (1499 mm)
Maximum Recommended Patient Weight	500 lbs (226.8 kg)
Gross Chamber Weight	1,700 lbs (771 kg)



Codes and Compliances:

- US FDA 510(k)
- ASME PVHO-1
- ISO 13485
- NFPA 99
- ISO 9001
- IEC 60601-1-1
- IEC 60601-1-2
- CE Marked to current EC Council Directives
 - Medical Device Directive (93/42/EEC)
 - Pressure Equipment Directive (97/23/EC)



**BIOMEDICAL
SYSTEMS**

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¹ Zwart BP. The "SMOOTH-RIDE" profile. Development, implementation, and evaluation of a hyperbaric chamber descent and ascent based on a constant rate of volume change with time. Davis Hyperbaric Laboratory Report, Brooks AFB, Texas, 1998. "Windows is a registered trademark of Microsoft Corporation in the United States and other countries."