ZEUGMA

Premium Panoramic Hyperbaric Chamber

Up to 2.4 ATA   **1 Seat**

Panoramic visibility meets advanced hyperbaric therapy

The ZEUGMA is HPO Tech's premium monoplace chamber, distinguished by its panoramic acrylic window design offering exceptional natural light and visual openness. Available in 2.0 ATA and 2.4 ATA configurations, it delivers both standard and higher-pressure protocols for clinical and wellness applications. The aerospace-grade aluminium construction keeps the weight to just 400 kg whilst ensuring full compliance with international pressure vessel standards.

KEY BENEFITS

- Panoramic multi-window design for maximum patient comfort and reduced claustrophobia
- Available in 2.0 ATA (wellness) and 2.4 ATA (medical) pressure variants
- Lightweight aerospace aluminium construction (400 kg) — easy installation
- Fully automatic and manual control via intuitive touchscreen panels
- BIBS oxygen delivery system with continuous-flow regulation
- UV-C disinfection, LED ambient lighting, and entertainment system
- Modular 3-section design fits through standard doorways

CERTIFICATIONS: CE / MDD-MDR Class IIb / PED 2014/68/EU / ASME PVHO

SYSTEM COMPONENTS

- Hyperbaric chamber (1 unit)
- Air compressor (1 unit, included)
- Oxygen concentrator (1 unit)
- Air cooler (1 unit)
- BIBS masks (10 units, included)
- Air dryer (optional, recommended for humid climates)

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ZEUGMA — Technical Specifications

CHAMBER SPECIFICATIONS

Capacity	1 person (1 seat)
Material	Aerospace-grade aluminium
Max Operating Pressure	2.0 ATA / 2.4 ATA
Overall Dimensions (L x W x H)	1,344 x 1,987 x 1,858 mm
Weight	400 kg
Internal Volume	1.9 m³
Module Length	770 mm
Acrylic Windows	30 mm thickness, ASME PVHO-1
Air Pressurisation	3.45 to 7.2 bar
Air Supply Flow	250 LPM
BIBS Oxygen Supply	3.2 to 4.0 bar
Ventilation Rate	125 to 400 LPM
Emergency Depressurisation	2.0 ATA to 1.0 ATA in 90 sec
Design Temperature	0ºC to 38ºC
Max Patient Weight	225 kg
Min Installation Floor Size	5,500 x 2,800 mm

STANDARD FEATURES

- Fully automatic session control (pressure, speed, time, ventilation)
- Internal and external touchscreen control tablets
- Manual compression and decompression overrides
- Internal and external intercom (always-on)
- Emergency stop button (internal and external)
- Emergency decompression valve
- UV-C light disinfection with occupancy sensor
- Adjustable RGB LED ambient lighting
- Entertainment system (TV / tablet, medical grade, 12V hard-wired)
- Session data logging and archive
- Ergonomic mattress / seating with premium leather upholstery
- Software-controlled automation with PLC and sensor array

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