

DIAMOND HYPERBARIC CHAMBER

Global First Patented Design
Three Oversized Transparent Viewing Windows
Adjustable Pressure 1.3–2.0 ATA

www.macy-pan.com

NEW LAUNCH & PRODUCT ADVANTAGES

Experience the pinnacle of hyperbaric oxygen therapy with the Diamond Series—where cutting-edge innovation meets uncompromising comfort and safety. Designed for those who demand the best in wellness recovery, the Diamond Hyperbaric Chamber sets a new global standard with its groundbreaking three-window design, intelligent LCD pressure control, and integrated 10L medical oxygen concentrator.

The MACY–PAN Diamond Series is available in three premium sizes to accommodate every need:

Dia85 (optimal for standard home use)
Dia90 (the flagship model with spacious dual–occupancy capacity)
Dia100 (maximized interior space for ultimate comfort)

Each chamber delivers adjustable therapeutic pressure from 1.3 ATA to 2.0 ATA, enabling personalized therapy sessions from mild wellness support to clinical–grade recovery.

Global First Patent Design – Three Oversized Transparent Windows 01

The Diamond Series introduces an industry-first patent design featuring three generous transparent viewing windows that bathe the interior in natural light, creating a brighter, more open feel that dramatically reduces any sense of confinement. Unlike conventional chambers, the Diamond' s expansive windows allow users to maintain visual connection with the outside environment, making therapy sessions more comfortable and relaxing.

Intelligent Full LCD Control Panel 02

Both interior and exterior LCD panels provide real-time monitoring of oxygen concentration, pressure level, temperature, and humidity. Users can easily select their desired pressure setting from 1.3 to 2.0 ATA, tailoring each session to specific wellness goals. The dual control system allows for effortless single-operator management.

10L Medical Oxygen Concentrator 03

Each Diamond chamber is equipped with a high-performance medical oxygen concentrator delivering 10L/min of stable oxygen supply even under maximum 2.0 ATA pressure, ensuring consistent therapeutic oxygen delivery throughout every session.

Water-Cooled Air Conditioning Safety System 04

Advanced built-in water-cooled climate control maintains a refreshing internal temperature throughout prolonged or repeated sessions, eliminating overheating concerns and ensuring year-round comfort. This safety-first design makes the Diamond Series ideal for daily therapeutic use.

Comprehensive Safety Architecture 05

The Diamond Series features eight integrated safety mechanisms: emergency release valve, dual automatic pressure relief valves, manual pressure relief control, internal/external operation control, intercom communication system, power failure alarm, door sensor system, and carbon dioxide removal device. Every component is crafted from 304 stainless steel and environmentally friendly materials for long-lasting durability and user protection.

Quiet & Peaceful Operation 06

Equipped with advanced mufflers and specially designed compressors, the Diamond Series operates with virtually silent interior noise and external noise levels around 60 dB, maintaining a calm, spa-like atmosphere throughout treatment.

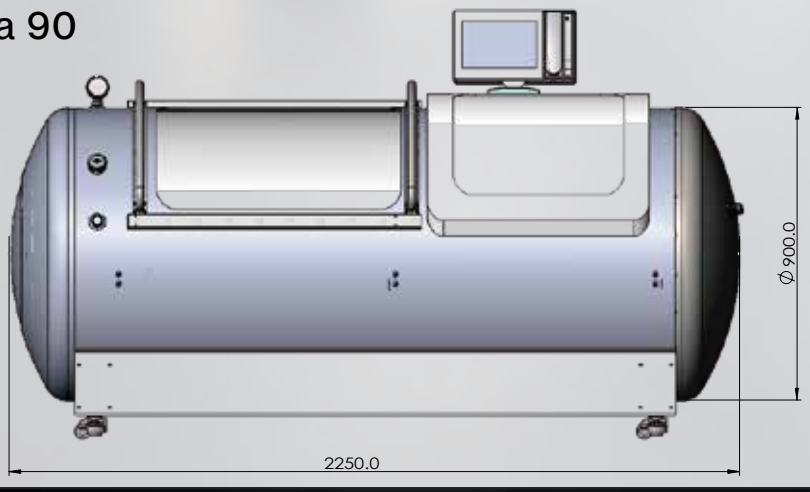
Other Key Advantages:
*Integrated two-way intercom system for real-time communication
*Seamless one-piece construction for enhanced safety and durability
*Emergency rapid decompression system for complete peace of mind
*Spacious slide-type entry door for effortless access

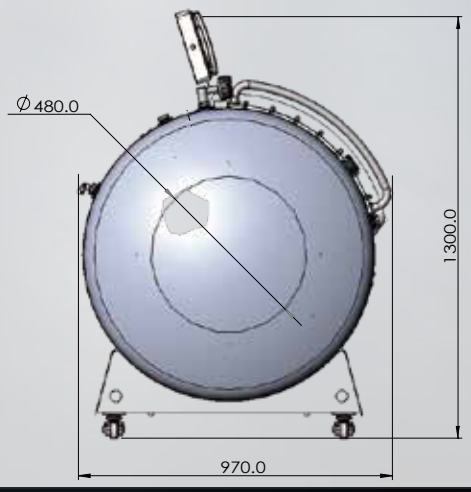


TECHNICAL SPECIFICATIONS

Parameter	Dia85	Dia90	Dia100
Pressure Range	1.3–2.0 ATA		
Interior Diameter	85 cm	90cm	100cm
Capacity	1 Adult	1 Adult + 1 Child	1–2 Adults
Weight	Approx. 450 kg	Approx. 520 kg	Approx. 620 kg
Oxygen Concentrator	10 L/min		
Oxygen Purity	90–95%		
Construction Material	304 Stainless Steel		
Viewing Windows	3 Oversized		
Display	Full LCD (In/Out)		
Cooling System	Water-Cooled AC		
Safety Valves	8 Protection Devices		
Two-Way Intercom	✓		
Entry Type	Slide-Type Door		
Emergency Release	✓		
Power Supply	220V / 110V		

*Dia 90





COMPLETE SYSTEM COMPONENTS

The Diamond Hyperbaric Chamber is delivered as a complete turnkey solution—everything you need is included, no additional purchases required.

Category	Components
Chamber Unit	Diamond Series hard-shell hyperbaric chamber cabin with 3 oversized viewing windows, slide-type entry door, seamless one-piece stainless steel construction
Integrated System	All-in-one machine unit: 10L/min medical oxygen concentrator + air compressor + air cooler
Climate Control	Water-cooled air conditioning system with temperature regulation
Control System	Full LCD control panel (interior and exterior), real-time pressure gauge (interior and exterior)
Safety Devices	Emergency relief valve, dual automatic pressure relief valve, manual pressure relief valve, door sensor lock, power failure alarm, CO_2 removal device
Communication	Two-way intercom system for real-time communication between user and operator
Oxygen Delivery	Oxygen masks, headset, nasal cannulas included for direct oxygen breathing under pressure
Accessories	Frames, tubes, user manual, quick-start guide, protective chamber cover
Optional Upgrades	Negative ion unit, BIBS system (built-in breathing system), larger touch screen display, custom colors and logos







PRODUCT PRINCIPLE

Understanding Hyperbaric Oxygen Therapy (HBOT)

Hyperbaric Oxygen Therapy is a scientifically proven treatment in which the user breathes oxygen at higher-than-normal atmospheric pressure. At sea level, normal atmospheric pressure is 1.0 ATA (Atmospheres Absolute). Inside the Diamond Hyperbaric Chamber, pressure is increased to between 1.3 and 2.0 ATA—up to double the pressure experienced at sea level.

How It Works

Under elevated atmospheric pressure, the laws of physics change. Oxygen becomes more soluble in the bloodstream. While breathing normal air at sea level, oxygen is primarily carried by red blood cells. Inside a pressurized hyperbaric chamber, oxygen dissolves directly into the blood plasma, significantly increasing the total amount of oxygen delivered to every tissue and organ in the body.

The Physiological Effects

- Enhanced Tissue Oxygenation: Oxygen reaches areas with compromised blood flow, bypassing narrowed or blocked arteries
- Cellular Regeneration: Increased oxygen availability promotes cell repair and renewal
- Reduced Inflammation: HBOT suppresses inflammatory responses and reduces oxidative stress
- Microcirculation Improvement: Oxygen-rich blood enhances capillary circulation throughout the body.

The Diamond Difference

Unlike traditional chambers that rely on ambient air compression, the Diamond Series integrates a dedicated 10L medical oxygen concentrator that delivers 90–95% pure oxygen directly to the user under precise pressure control. The adjustable 1.3–2.0 ATA range allows for customized therapy—lower pressures for general wellness and mild recovery, higher pressures for clinical-grade therapeutic protocols.

APPLICATIONS

The Diamond Hyperbaric Chamber is designed for a diverse range of users and applications, from professional athletes to wellness enthusiasts and medical practitioners.



Sports Medicine & Athletic Recovery

- ✓ Accelerated recovery from post-workout muscle fatigue
- ✓ Reduced sports injury recovery time
- ✓ Enhanced physical endurance and performance
- ✓ Served athletes during the 2022 Beijing Winter
- ✓ Olympics and 2021 Tokyo Olympics



Wellness & Anti-Aging

- ✓ Cellular revitalization and tissue regeneration
- ✓ Improved skin metabolism and reduced melanin (beauty enhancement)
- ✓ Delayed aging process and enhanced antioxidant capacity
- ✓ Deep stress relief and chronic fatigue alleviation



Neurological & Cognitive Support

- ✓ Enhanced memory, attention, and focus
- ✓ Improved processing speed and cognitive function
- ✓ Support for brain injury recovery
- ✓ Relief from mental fatigue and examination pressure



Home Use & Daily Wellness

- ✓ General wellness routines for modern families
- ✓ Sleep quality improvement and energy enhancement
- ✓ Jet lag recovery for frequent travelers
- ✓ Suboptimal health condition management



Clinical & Medical Applications

- ✓ Wound healing support (non-healing wounds)
- ✓ Carbon monoxide poisoning recovery
- ✓ Support for chronic conditions
- ✓ Post-surgical recovery enhancement



Elderly Care

- ✓ Compensation for age-related decline in oxygen supply capacity
- ✓ Improved self-healing ability
- ✓ Enhanced overall vitality and quality of life

ABOUT MACY-PAN

Your Trusted Hyperbaric Chamber Expert for 19+ Years

MACY-PAN, operated by Shanghai Baobang Medical Equipment Co., Ltd., stands as one of the world' s most reliable hyperbaric oxygen chamber manufacturers. Founded in 2007 in Shanghai, China, the company has been leading the industry for over 19 years, driven by the core values of beauty, health, and confidence.

Global Reach

- ✓ Exported to 126+ countries (US, EU, Japan)
- ✓ 10,000+ satisfied customers worldwide and a production capacity of 400 pieces per month
- ✓ MACY-PAN has established itself as the top Chinese manufacturer in the industry.

Prestigious Track Record

- ★ Official equipment serving athletes at the 2021 Tokyo Olympics
- ★ Official equipment serving athletes at the 2022 Beijing Winter Olympics
- ★ Recognized as Shanghai High-Tech Enterprise and Specialized & Sophisticated Enterprise
- ★ Multiple awards as Shanghai Safe Production Enterprise

Commitment to Innovation

MACY-PAN holds numerous invention patents and utility model patents, including the recent national design patent for air-pressurized hard-shell health chamber. The company actively collaborates with prestigious universities including Shanghai University and Donghua University on re



Social Responsibility

Beyond business excellence, MACY-PAN actively contributes to communities by donating books, school bags, and clothing to schools in Tibet and supporting local charitable foundations. MACY-PAN chambers can be found at community centers and nursing homes worldwide.



CERTIFICATIONS

MACY-PAN's Diamond Hyperbaric Chamber series is backed by comprehensive international quality and safety certifications, ensuring peace of mind for every user.

ISO 13485
International quality management standard for medical devices

ISO 9001
International quality management system certification

CE Mark
Conformity with European health, safety, and environmental standards

SGS
Global inspection, verification, testing, and certification

TUV
Non-toxic safety testing certification for environmentally friendly materials



Key Quality Assurance Highlights:

6 rounds of rigorous inspections: Raw material purchasing → Manufacturing → Assembly → Testing → Aging test (72 hours) → Packaging planning

WHY CHOOSE THE DIAMOND HYPERBARIC CHAMBER?

- Global First Patent Design – Exclusive three-window transparency innovation
- Three Models to Fit Your Needs – Dia85, Dia90, Dia100
- Adjustable Therapeutic Pressure – 1.3 ATA to 2.0 ATA range
- Full LCD Intelligent Control – Real-time monitoring and pressure selection
- 10L Medical Oxygen Concentrator – Clinical-grade oxygen delivery
- Water-Cooled Air Conditioning – Safe, comfortable climate control
- 8 Integrated Safety Devices – Comprehensive user protection
- 19+ Years of Industry Leadership – Proven reliability and expertise
- Global Certifications – ISO 13485, ISO 9001, CE, SGS, TUV
- Complete Turnkey Solution – Everything included, no extras needed
- 126+ Countries Served – Trusted by thousands worldwide

MACY-PAN®

Experience the diamond standard of hyperbaric oxygen therapy.

Choose MACY-PAN Diamond—where innovation meets well-being.

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