APEX

Hypobaric Chamber for Altitude Training

0.356 ATM (8,000 m) | 1 Seat

Your personal mountain — altitude training up to 8,000 metres

The APEX is HPO Tech's hypobaric (negative pressure) chamber, designed to simulate high-altitude conditions up to 8,000 metres (0.356 ATM). Used by elite athletes, mountain climbers, military and civilian pilots, and astronaut training programmes, it builds hypoxia tolerance and maximum endurance through controlled altitude exposure. The Turbo Venturi depressurisation system provides precise, stable negative-pressure control.

KEY BENEFITS

- Simulates altitudes up to 8,000 metres (0.356 ATM negative pressure)
- Turbo Venturi system for precision negative-pressure control
- Used by elite athletes, pilots, mountaineers, and military programmes
- Aluminium 5000-series construction — robust yet compact
- Modular single-unit design fits through standard doorways
- Full automation with internal and external touchscreen controls
- Ultra-quiet operation at 46 dB noise level

CERTIFICATIONS: CE / PED 2014/68/EU

SYSTEM COMPONENTS

- Hypobaric chamber (1 unit)
- Turbo Venturi system (4 HP, 600 LPM, 46 dB)

APEX — Technical Specifications

CHAMBER SPECIFICATIONS

Capacity	1 person (1 seat)
Material	Aluminium 5000 series
Negative Pressure	0.356 ATM (8,000 metres)
Overall Dimensions (L x W x H)	2,136 x 1,166 x 1,587 mm
Weight	600 kg
Internal Length	1,620 mm
Internal Volume	0.9 m³
Design Temperature	0°C to 38°C
Max Patient Weight	225 kg
Min Installation Floor Size	5,500 x 2,800 mm

Turbo Venturi System

Power	4 HP
Negative Pressure Range	0.356 ATM (8,000 metres)
Weight	67 kg
Capacity	600 LPM
Noise Level	46 dB
Dimensions (W x L x H)	495 x 1,004 x 804 mm

STANDARD FEATURES

- Turbo Venturi precision negative-pressure control
- Fully automatic session control via touchscreen
- Internal and external intercom (always-on)
- Emergency stop and pressure relief systems
- Adjustable RGB LED ambient lighting
- Session data logging and archive
- Ergonomic seating with premium leather upholstery