

# BLKS-303MK

## MONOPLACE HYPERBARIC THERAPY SYSTEM



**Indication for use:** treatment of acute and chronic hypoxic states.

**The construction of the system provides possibility to link up external equipment** (diagnostic equipment, life support systems).

**Oxygen economy** is achieved by using of additional recirculation circuit.

**Reliability** is provided by a high strength of materials, use of unique space technologies, quick closing mechanism of the cover with double blocking.

**Patient Comfort** is guaranteed by wide internal room, big glass area, a communication system.

**Control of a patient condition.**

The Monitoring system for HBO-therapy gives an objective appraisal, sight control is possible due to big viewport windows, a built-in communication system allows to receive information about a patient condition during a treatment session.

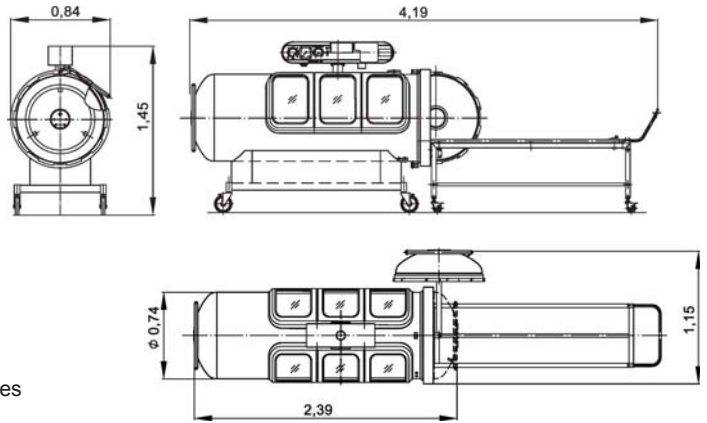
### CODES AND STANDARDS

- ASME PVHO-1, Safety Standards for Pressure Vessels for Human Occupancy
- ASME Boiler and Pressure Vessel Codes, Section VIII, Division I, Pressure Vessels
- NFPA 99 Health Care Facilities
- Registered with the National Board of Boiler and Pressure Vessel Inspectors
- U. S. FDA Requirement, 21 Code of Federal Regulations, Part 820
- Pressure Equipment directive (PED) 97/23/EEC
- Medical Device Directive (MDD) 93/42/EEC

Quality Management System (QMS) is introduced and applied at the factory in the field of designing, manufacturing, maintenance and repair of hyperbaric systems ISO 9001:2000, ISO 13485:2003

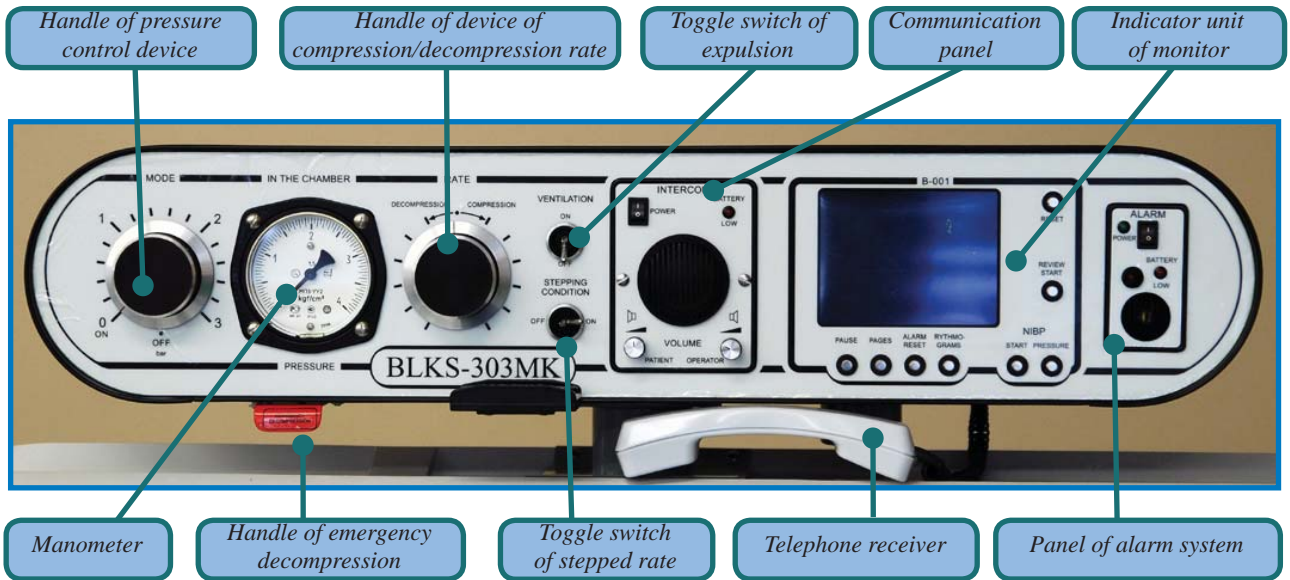
## TECHNICAL SPECIFICATIONS

External width.....	0.84 m
External length.....	2.39 m
External height.....	1.45 m
Internal diameter.....	0.73 m
Internal volume.....	960 L
Weight.....	320 kg
Operating pressure.....	300 kPa
Rate of compression/decompression ....	5-25 kPa/min
Emergency decompression time at 300 kPa (3 kgf/cm <sup>2</sup> /s) .....	90 c
Maximum oxygen consumption:	
- isobaric process .....	52,5 L/min
Projected lifetime .....	8 years or 10 000 one-hour cycles



### CONTROL AND MONITORING PANEL:

The built-in monitoring system allows to control physiological condition of a patient: pulse, SpO<sub>2</sub> and physical parameters of the gas environment in the chamber: pressure, rate of compression/decompression, humidity, temperature, concentration of O<sub>2</sub>.



The construction of the hyperbaric chamber has a locking device on the cover



The warning system allows the patient to draw the doctor's attention to an emergency situation



The gurney is equipped with parts for attaching the stretcher for patients



The stretcher has an adjustable headrest



The gurney for the stretcher is fitted with wheels with breaks