

KHRUNICHEV STATE RESEARCH AND PRODUCTION SPACE CENTER MEDICAL EQUIPMENT AND CONSUMER GOODS DIVISION

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.

- 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 Heath Care Facilities

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

- 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

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TECHNICAL SPECIFICATIONS



CONTROL AND MONITORING PANEL:

The built-in monitoring system allows to control physiological condition of a patient: pulse, SpO_2 and physical parameters of the gas environment in the chamber: pressure, rate of compression/decompression, humidity, temperature, concentration of O_3 .



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

The stretcher has an adjustable headrest

The gurney for the stretcher is fitted with wheels with breaks