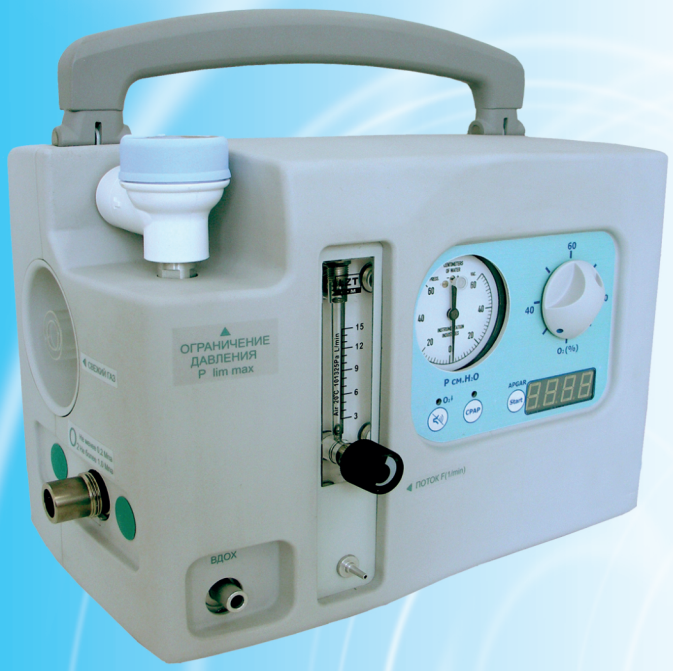
KRET
UIEP

JSC «Ural instrument-engineering plant»

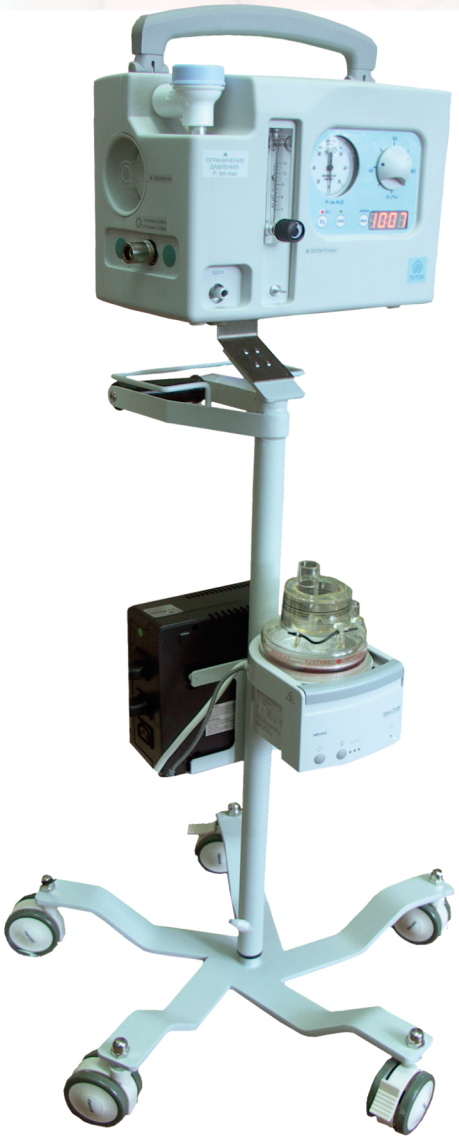
624000 the 25th km of the Chelyabinsk path, Sysertsky area, Sverdlovsk region, Russia

e-mail: mail@upz.ru tel: (343) 359 94 67



Neonatal lung ventilator «POTOK»

is intended to provide noninvasive ventilatory support of newborn with low and extremely low birth weight by means of T-piece connector breathing circuit or nCPAP circuit.



Neonatal lung ventilator POTOK

Lung ventilator POTOK is intended to provide noninvasive breathing support and lung ventilation of newborn with apnea or respiratory distress syndrome in very first afterbirth minutes.

POTOK provides neonatologist an opportunity to refine afterbirth resuscitation procedures by means of noninvasive lung ventilation with accurate oxygen dosage, PEEP and breathing gas flow control. POTOK enables physician to surrogate completely an independent breath of newborn, gives time for decision- making and preparing to endotracheal ventilation in many emergency case.

Special noninvasive breathing circuit with mask or nasal prong may be used with the ventilator.

The technical feature of the device are in-built air pump & gas blender, providing accurate O_2 dosage without either hospital-wide compressed gas distribution system or individual air compressor.

POTOK is to be used in maternity ward, operating examination , A&E Department of maternity hospital and perinatal centers.

In-built Apgar score monitors time of respiratory support by means of sound signal and digit indicator.

Pulse oximetry sensor tracks strength and rate of the pulse.

Technical features

LV modes	manual ventilation with T-piece connector breathing circuit; nCPAP with LP generator
Pressure O_2, delivered to device	1.5-8 atm
FiO_2	0,21-0,8
PEEP	0-20 cm H_2O
Apgar score time clock of lung ventilation time duration with sound signal and digit indicator	from 1 to 30 min
Pmax in breathing circuit P lim max	5-35 cm H_2O
Power supply	220V 50Hz
Operation time from backup powering unit	6 hours at least

Humidifier, trolley, backup powering unit,
additional breathing circuit may be put on set upon request.