

SERYNOX®/ PLACYNOX® Instructions of Use

This manual will explain step by step the application of SERYNOX®/ PLACYNOX® and the assembling of the breathing devices for safe use

Classification:	ATC code N01AX63
Administration form:	Gas for inhalation (Nitrous Oxide 50% / Oxygen 50%)
Leaffer the set	SERYNOX® / PLACYNOX® is indicated in adults, adolescents and children older than 1 month for: short-term analgesia for painful procedures or conditions of mild to moderate pain intensity and

short-term analgesia for painful procedures or conditions of mild to moderate pain intensity and sedation during acute emergency pain, anxiety, dental surgery, analgesia, obstetrics and any kind of acute pain treatment in podiatric.

Indications:







SERYNOX® / PLACYNOX® Cylinder Presentation

- The SERYNOX[®] / PLACYNOX[®] cylinder is white with a white and blue shoulder.
- The cylinder is equipped with a GCE Medivital top of blue and white color.







Flow control knob From 0 to 15 l/min

Pressure indicator

170 bars: cylinder is full0 bar: cylinder is empty>30 bar before treament





Switch-off valve

When stored, the valve must be on "OFF" position

When in use with breathing circuit or demand-valve, the valve must be on "ON" position







Demand-valve outlet

To be used with the demand-valve for a quick and easy-to-use connection

Filling port

The coverage should not be removed





Required Devices for SERYNOX[®] / PLACYNOX[®] Breathing Circuit





Set-up of SERYNOX[®] / PLACYNOX[®] Breathing Circuit & Cylinder





Assembling SERYNOX[®] / PLACYNOX[®] Breathing Circuit

Balloon and pipes can be used up to 15 times. Masks and filters have to be changed after

every use.





Application of SERYNOX[®] / PLACYNOX[®] Breathing Circuit



Plug the connecting pipePut the shut-off value into the outlet of the"ON" positioncylinder

Adjust the flow to the patient breathing capacity. The balloon should be filled with gas at all times The patient should hold the mask and breath normally all through the procedure



Disconnecting SERYNOX[®] / PLACYNOX[®] Breathing Circuit



Put the control knob on 0 L/min. Put the shut-off value in "OFF" position

Disconnect the pipe

Store securely the cylinder in an upright position at an ambient temperature until the next use



Required Device for Demand Valve

The demand-valve, also called discontinuous administration, enables the gas to be delivered only when the patient is inhaling. When exhaling, the flow stops and the exhaled gas is sent to a scavenging system.

Mouthpiece



Different sizes of adult masks



Demand valve



Pediatric mask with or without different smells







Set-up of SERYNOX[®] / PLACYNOX[®]Demand Valve & Cylinder





Assembling SERYNOX[®] / PLACYNOX[®] **Demand Valve**

Place the scavenging adaptor ... or mouthpiece on the demand valve, the filter and the exhausting pipe. Place the mask...

Plug the hose to the demandvalve outlet.





Application of SERYNOX[®] / PLACYNOX[®] Demand Valve

Always press the flush button on the demand valve prior to use to be sure that the gas is flowing.

Put the shut-off valve Press the flush button in "ON" position on the demand value

The patient should hold the demand-valve and breath normally all through the procedure





Disconnecting SERYNOX[®] / PLACYNOX[®] Demand Valve

Put the shut-off valve in "OFF" position Unplug the hose to the demand-valve outlet

Store securely the cylinder in an upright position at an ambient temperature until next use







SERYNOX[®] / PLACYNOX[®]



Active Substance: Medicinal gas, compressed Colourless gas: Nitrous oxide 50% and Oxygen 50% Composition: Each gas cylinder contains: Nitrous oxide 50% and Oxygen 50% (at a pressure of 170 bar at 15°C) Therapeutic Indication: Servnox is indicated in adults, adolescents and children older than 1 month for: short-term analgesia for painful procedures or conditions of mild to moderate pain intensity and sedation during dental surgery, when rapid analgesic onset and offset effects are wanted. Contraindications: Patients, who require ventilation with 100% O2, Intracranial hypertension, Any altered state of consciousness that prevents the patient from cooperating. In patients with untreated vitamin B12- or folic acid deficiency, Recently occurring, unexplained neurological disorders, Patients with heart failure or cardiac dysfunction (e.g. after cardiac surgery) in order to avoid the risk of further deterioration in heart function When Servnox is inhaled, gas bubbles (gas emboli) and gas-filled cavities may expand due to the increased ability of nitrous oxide to diffuse. Consequently, it is contraindicated in the following conditions: Maxillofacial- and facial injuries, Head injuries, Pneumothorax, Severe emphysema, Gas embolism, Following deep sea diving with risk of decompression sickness, Following air encephalography, During middle continner second single rege dural space to determine the precement of the needle forepidual areas , Geverely dilated g vintest the epirde besia, In patients recently hav eraor r iniect e int aocu on of Las (e.a. SF6, C3F8, 2F6) und the gas in question is full absorbed, or within 8 months after the dist intection of an intraocular gas. Severe postoperative complications may occur due to increased intraocular pressure. **Undesirable effects:** Nitrous oxide passes into all gas containing spaces in the body faster than nitrogen passes out. Use of nitrous oxide may result in expansion of non-vented gas containing cavities. Megaloblastic anaemia and leukopenia have been moorted following proly ged or repeated exposure to Serrick. Neuroogical creece such as neuropathy and myeloneuropathy . Description of acted acterse reactions...Com... have been report od with exceptionally high an quent ex adverse reactions ($\geq 1/100$ to <1/100) Nervey's system disorder: Dizzines. Lyber ad dness and Castolines inal disorders, Nyusey and Vomiting Special warnings: Reduced fertility in medical and paramedical personnel has been reported after repeated exposure to nitrous oxide in inadequately ventilated rooms. It is not currently possible to confirm or exclude the existence of any causal connection between these cases and exposure to nitrous oxide. Areas in which Servnox is us a should be a equate y verit atec and/or equipted with scalenging equipment in order that the concentration of nitrous oxide in amcompational experience limits. The gas mixture should be stored and used only in areas/rooms where the narea the gas mixture can separate and result in administration of a hypoxic gas mixture. **Precautions** bient air is as the as lossible and bedw . lower lemperatur temperature exceeds 00c. A for use: Serynox should only be administered by competent personnel. Hyperventilation should be avoided as this may lead to abnormal movements. Self-administration should be preferred to allow the assessment of the level of consciousness. Attentive monitoring is required in patients taking central nervous system depressant medicinal products and in particular opiates and benzodiazepines, because of the increased risk of deep sedation , possible drowsiness, oxygen desaturation, vomiting and hypotension. Following discontinuation of the administration of Serynox, the patient should recover under proper supervision until the potential risks resulting from use of Serynox have subsided and the patient has recovered satisfactorily. Recovery of the patient should be assessed by healthcare personnel. Repeated administration or exposure to nitrous oxide may lead to addiction. Caution should be exercised in patients with a known history of substance abuse or in healthcare professionals with occupational exposure to nitrous oxide. The neonate should be checked for possible respiratory depression when Serynox is administered to the mother during childbirth. For further information, please see Summary of Product Characteristics (SmPC). Only available by prescription. Version 02.2023

Marketing Authorization Holder:

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Gases for Life

