

# SERYNOX – The Serenity of Care

Nitrous oxide/Oxygen 50%/50%, Medicinal gas, Compressed



Short-term analgesia for painful procedures or conditions of mild to moderate pain intensity when rapid analgesic onset and offset effects are wanted.

# SERYNOX

Suitable for many potentially painful care procedures



## Pediatrics<sup>1</sup>

SERYNOX is a non-invasive and ready-to-use gas that's particularly suited to many pediatric care procedures including wound care, foreign body removal, punctures, catheter placement, minor surgery, and anaesthetics.

## Emergency care and procedural pain applications

With its fast-onset, SERYNOX is user-friendly in emergency situations. It can be administered to adults undergoing wound care, puncture treatment, decubitus care, minor surgery, burns dressings, biopsies, and plastic surgery. The patient doesn't need to fast.



## Obstetrics<sup>2</sup>

SERYNOX helps women cope with the pain of contractions and can also be used for the treatment of perineal tears. Patients handle their own mask which improves compliance to SERYNOX and empowers women during delivery<sup>3</sup>.

1. Gall O, Annequin D, Benoit G, Glabeke E, Vrancea F, Murat I. Adverse events of premixed nitrous oxide and oxygen for procedural sedation in children. Lancet. 2001 Nov 3, 358(9292):1514-5. 2. Collins M. Nitrous Oxide Utility in Labor and Birth: A Multipurpose Modality. J Perinat Neonatal Nurs. 2017 Apr/Jun;31(2):137-144. 3. Smith A, Laflamme E, Komanecky C. Pain Management in Labor. Am Fam Physician. 2021 Mar 15;103(6):355-364

# Preparing the patient

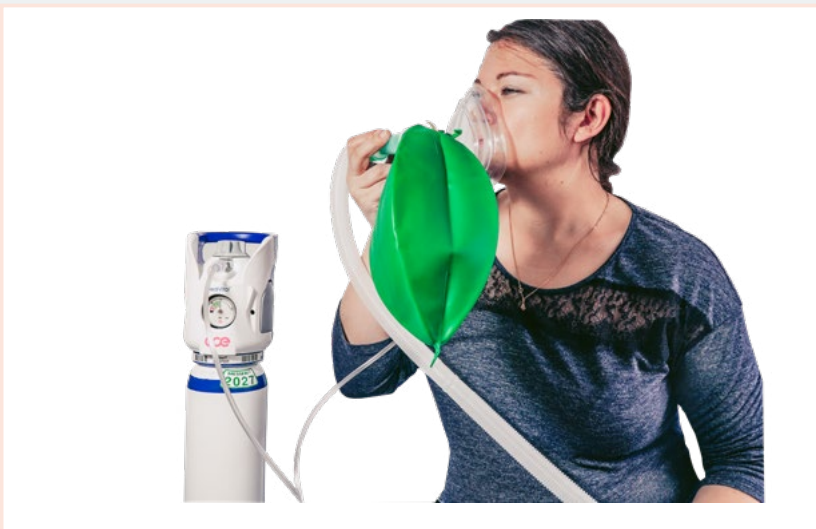
SERYNOX should only be administered by trained personnel

1. The patient doesn't need to fast.
2. Assist the patient to lie down or sit comfortably in a quiet environment.
3. Explain the procedure and drug to the patient.
4. Ensure the patient's face is free from cream or make-up. In case of irritation caused by the mask, use a water-based ointment rather than oil-based.
5. To assure compliance, ask the patient to hold the mask.
6. Start the care procedure only once the sedation has taken effect (usually after around three minutes).
7. Maintain verbal contact with the patient to prevent deep sedation.



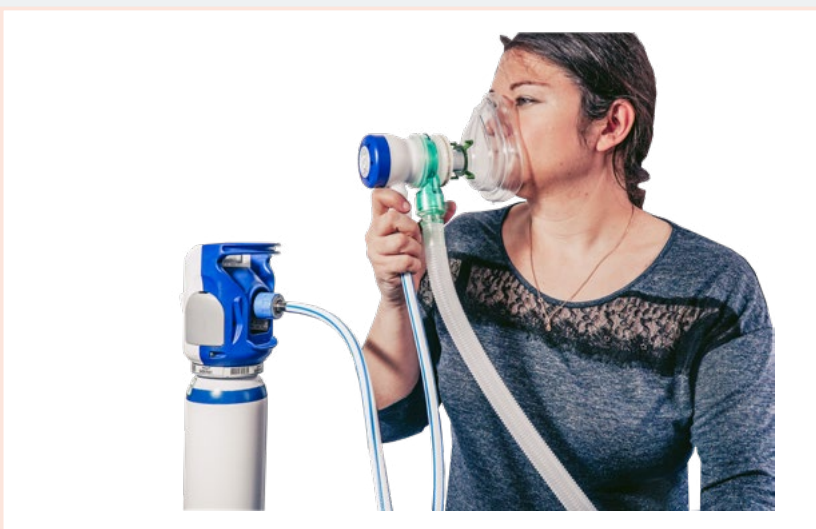
# Preparing the care procedure

1. Ensure the cylinder is in an upright position.
2. Check the manometer. Do not start the procedure if the indicator is in the red zone as this means the manometer is under-capacity.
3. Never stand in front of the cylinder.
4. Assemble the chosen breathing circuit.
5. Plug in the inlet hose or demand valve to the correct outlet.
6. Switch the shut-off valve to the "ON" position.
7. If using the continuous administration option, select the correct flow and wait for the balloon to fill.
8. If using the demand valve, first press the test button to check whether the gas is released.



## Continuous flow

This system consists of a balloon (either single-use or multiple-use) that's fitted with a one-way valve, inlet hose, filter and mask. Simply plug the exhaled gas hose into a scavenger system before use.



## Demand-valve

Gas passes through the valve only when the patient inhales. Plug the demand valve into the cylinder's pressure outlet and fit it with a valve adaptor for the exhaled gases, a filter and either a mask or mouthpiece.

# Ending the care procedure

1. Ask the patient to remove the mask.
2. Switch the shut-off valve to the "OFF" position and turn the flow control knob to 0 litres/min if continuous administration was used.
3. Dispose of all the single-use materials.
4. Clean the demand valve with appropriate wipes.
5. Store the cylinder securely in an upright position at ambient temperature until the next use unless the manometer indicates it is under capacity. In this case, send it back to the supplier to be replaced.
6. Allow the patient to fully recover before allowing him or her to get up. This usually takes between five and 10 minutes.



# SERYNOX

The serenity of Care



## Legal information

**All Messer companies need to include here the mandatory legal and regulatory information requested by their local authorities before using the brochure.**

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SERYNOX is indicated when short-term analgesia for painful procedures or conditions of mild to moderate pain intensity, when rapid analgesic onset and offset effects are wanted.

Equimolar mixtures of oxygen and nitrous oxide (EMONO) such as SERYNOX play an important role in the therapeutic management of pain and represent, in some cases, a particularly adapted alternative to other pain medications. SERYNOX must be prescribed and used only by authorized healthcare professionals.

Possibility to use a QR code to link to the local SmPC.

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