

Equinox[®] Relieve

Pre-set 50/50 mix Analgesic Gas Delivery System



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The O-Two Equinox[®] Relieve is intended to provide a 50/50% mixture of nitrous oxide and oxygen, on demand, to a conscious, spontaneously breathing, patient for the relief of pain due to trauma or other conditions where inhalation analgesia is clinically specified.

Designed for use in the pre-hospital (ambulance) and In-hospital use (ER, Labor and Delivery etc.), the system has no operator or patient adjustable controls eliminating the risk of delivering a hypoxic mixture. It only requires the attachment of pressure regulated medical gas oxygen and nitrous oxide cylinders and a patient circuit with facemask to be ready for use.

The O-Two Equinox[®] Relieve consists of a dual gas (Oxygen and Nitrous Oxide) control module mixing system that maintains the output gas mixture at a constant 50/50 mix. Each of the two inputs have gas specific built-in alarm systems will generate both visual and audible alarms should either the nitrous oxide or oxygen input fall below 40 PSI, and the device will be automatically shut off should either the nitrous oxide or oxygen input fall below 35 PSI.

The O-Two Equinox[®] Relieve is also equipped with a secondary “fail safe” circuit that will activate an alarm and shut off the device should internal malfunction occur in the mixer or any internal hoses rupture or kink.

O-Two Equinox[®] Relieve N₂O/O₂ Analgesic Gas Mixing and Delivery System has only one control for turning ON or OFF the device. When it is turned ON, the output of the N₂O/O₂ gas mixture will only be activated by an inspiratory effort by the patient.

The internal demand valve delivers high flow rates with low triggering pressures, reducing the amount of effort required by the patient to maintain the demanded flow.

Virtually maintenance free, the durable O-Two Equinox[®] Relieve N₂O/O₂ Analgesic Gas Mixing and Delivery Systems are a simple, safe and efficient way of delivering pain relief during trauma, childbirth or other painful procedures.

The O-Two Equinox[®] disposable patient circuit with scavenging hose helps remove exhaled air away from the patient environment.

Specifications

MINIMUM FLOW RATE	120 L/min
EXHALATION RESISTANCE	0 to 6 cmH ₂ O @ 60 L/Min
INHALATION RESISTANCE	0 to -6 cmH ₂ O @ 60 L/Min
OXYGEN CONCENTRATIONS	42.5 - 57.5%
OXYGEN ENRICHMENT FLOW (01EQ100F ONLY)	30L/min
INPUT PRESSURE	50 to 70 PSI (3.5 to 4.8 Bar)
LOW INPUT PRESSURE ALARM	40 +/- 1 PSI (2.7 Bar)
DEVICE CUT OFF PRESSURE	35 ± 4 PSI (2.7 Bar)
FAILSAFE PROTECTION	- 2 PSI diff erential pressure between O ₂ and N ₂ O output gas. Prevents the output of high nitrous oxide concentrations
DEMAND VALVE TRIGGERING PRESSURE	-1.5 to -2.5 cmH ₂ O
DEVICE INPUT CONNECTIONS	Nitrous Oxide: CGA1040 DISS Oxygen: CGA1240 DISS
PATIENT CONNECTOR	15/22 mm
PATIENT CIRCUIT (SINGLE USE)	Dual limb circuit with one-way valves and 19mm scavenging Port Connection on the exhalation limb.
PATIENT VALVE DEAD SPACE	32 ml
OPERATING TEMPERATURE	41° F to 104° F (5° C to 40° C)
STORAGE TEMPERATURE	-40° F to 140° F (-40° C to 60° C)
WEIGHT	3.3 lbs (1.5 Kg)
DIMENSIONS WxDxH	8.9" x 6.6" x 3.9" (226 x 168 x 99mm)

Ordering information

01EQ1000	Equinox [®] Relieve N ₂ O/O ₂ Analgesic Gas Mixing and Delivery System c/w O ₂ * and N ₂ O** Supply Hoses, Single-Use Patient Circuit with Scavenger Hose and Adapter with Mouthpiece	Each
01EQ1000F	Equinox [®] Relieve N ₂ O/O ₂ Analgesic Gas Mixing and Delivery System with Oxygen Enrichment Button c/w O ₂ * and N ₂ O** Supply Hoses, Single-Use Patient Circuit with Scavenger Hose and Adapter with Mouthpiece	Each
01CV8028-CS	Single-Use 6 Foot Circuit with Scavenger Hose and Adapter with Mouthpiece	Case/10
02RT1303	Disposable Mouth Piece (Individually Wrapped)	Case/50
17MP1997	O-Two 90° (Male to Male) adjustable Oxygen (O ₂) DISS elbow assy	Each
17MP1998	O-Two 90° (Male to Male) adjustable Nitrous Oxide (N ₂ O) DISS elbow assy	Each

THIS PRODUCT HAS A TWO YEAR WARRANTY AGAINST MANUFACTURERS DEFECTS.

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