

Nitrous oxide-oxygen blender

Quality Mix N2O-50, N2O-50 FIX and Quality Mix N2O-70

Safety features for patient and user:

Device type: not electrically operated
Function: mechanical / pneumatic
Industry standard: DIN EN ISO 11195: 2018
CE mark / number: 13485: 2016 certified



The **Quality Mix N2O-50** and **Quality Mix N2O-70** nitrous oxide oxygen mixer / blender are characterized by their particularly easy operation and high accuracy. The **Quality Mix N2O-50** variant enables a maximum adjustable concentration ratio of 50% O₂ and 50% N₂O. The **Quality Mix N2O-70** variant enables a maximum adjustable concentration ratio of 30% O₂ and 70% N₂O, whereby this variant has an additional mechanical stop at a concentration ratio of 50% N₂O. The gas mixture is released via a flow meter or a connected demand valve. All variants use oxygen as the carrier gas. The **Quality Mix N2O-50 FIX** is not adjustable, but fixed to 50% nitrous oxide.

Sufficient oxygen supply:

In the Quality Mix N2O-70 variant, the patient is supplied with at least 30% oxygen; a lower value cannot be set. In the Quality Mix N2O-50 and N2O-50 FIX variants, the oxygen supply is even at least 50% oxygen, so that there is always protection against the risk of hypoxia or anoxia.

Nitrous oxide barrier / N2O feed stop:

The supply of the N₂O flow is automatically interrupted when the oxygen flow is interrupted.

Emergency O₂ flush:

When the O₂ flush is activated, the patient is immediately supplied with 100% O₂, in the meantime the nitrous oxide supply is interrupted.

Acoustic alarm

In the event of a gas failure (oxygen and / or nitrous oxide) an acoustic warning signal sounds to inform the user of a gas failure.

Technical data	Quality Mix N2O-50	Quality Mix N2O-70	Quality Mix N2O-50 FIX
Measurements LWH	11,5 x 6,,3 x 11,5 cm	11,5 x 6,,3 x 11,5 cm	11,5 x 6,,3 x 11,5 cm
Weight	ca. 1600 g	ca. 1600 g	ca. 1600 g
Accuracy	+/- 3 %	+/- 3 %	+/- 3 %
Max. concentration N ₂ O	50%	70%	50%
Special feature		Rastung bei 50 % N ₂ O	Fest eingestellt
Activation of gas supply alarm	> 1 bar pressure difference of the supply gases, or one gas 0	> 1 bar pressure difference of the supply gases, or one gas 0	> 1 bar pressure difference of the supply gases, or one gas 0
Flow outlet	2 – 40 l/min	2 – 40 l/min	2 – 40 l/min
Total flow maximum	> 40 l/min	> 40 l/min	> 40 l/min
Emergency shutdown N ₂ O	< 2,5 bar O ₂	< 2,5 bar O ₂	< 2,5 bar O ₂
O ₂ flush	100% O ₂	100% O ₂	100% O ₂
Inlet pressure	3,5 – 6,5 bar	3,5 – 6,5 bar	3,5 – 6,5 bar
Operating temperatur	+5°C bis +40°C	+5°C bis +40°C	+5°C bis +40°C
Relative humidity	max. 95% non-condensing humidity	max. 95% non-condensing humidity	max. 95% non-condensing humidity

Distributor Switzerland:

medi-lan Schweiz ag

Hammerstrasse 3 | 6312 Steinhausen

Tel: +41 41 748 52 00 | Fax: +41 41 748 52 09

info@medi-lan.ch | www.medi-lan.ch