

NitroBlend 50A

Nitrous oxide-oxygen blender



The **NitroBlend** N2O nitrous oxide oxygen mixers / blenders are characterized by their particularly easy operation and high level of accuracy. The **NitroBlend 50A** variant enables a maximum adjustable concentration ratio of 50% O2 and 50% N2O. The device is ideal for the dental practice. An overdose is not possible. The gas mixture is delivered via a flow meter with a connected nasal cannula. By pressing the flush button on the side, 100% oxygen can be administered at any time. All variants use oxygen as the carrier gas.

Other variants:

NitroBlend 50F Fixed blender 50% N2O (50% O2)

NitroBlend 70A adjustable blender 0 - 70% N2O (100 - 30% O2)

Sufficient oxygen supply

In the NitroBlend 70A variant, the patient is supplied with at least 30% oxygen; a lower value cannot be set. In the NitroBlend 50A and 50F 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	NitroBlend 50A	NitroBlend 70A	NitroBlend 50F
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 N2O	50%	70%	50%
Special feature		Detent at 50% N2O	Permanently set
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 N2O	< 2,5 bar O2	< 2,5 bar O2	< 2,5 bar O2
O2 Flush	100% O2	100% O2	100% O2
Inlet pressure	3,5 - 6,5 bar	3,5 - 6,5 bar	3,5 - 6,5 bar
Operating temperature	+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



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

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NitroBlend 70A

Nitrous oxide-oxygen blender



The **NitroBlend** N2O nitrous oxide oxygen mixers / blenders are characterized by their particularly easy operation and high level of accuracy. The **NitroBlend 70A** variant is the device for the anesthetist and enables a maximum adjustable concentration ratio of 70% N2O at 30% O2. This variant has an additional mechanical stop at a concentration ratio of 50% N2O. The gas mixture is delivered via a flow meter or via a connected demand valve. 100% oxygen can be administered at any time by pressing the flush button on the side. All variants use oxygen as a carrier gas.

Other variants:

NitroBlend 50F fixed blender 50% N2O (50% O2)

NitroBlend 50A adjustable blender 0 - 50% N2O (100 - 50% O2)

Sufficient oxygen supply

In the NitroBlend 70A variant, the patient is supplied with at least 30% oxygen; a lower value cannot be set. In the NitroBlend 50A and 50F 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	NitroBlend 50A	NitroBlend 70A	NitroBlend 50F
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 N2O	50%	70%	50%
Special feature		Detent at 50% N2O	Permanently set
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 N2O	< 2,5 bar O2	< 2,5 bar O2	< 2,5 bar O2
O2 Flush	100% O2	100% O2	100% O2
Inlet pressure	3,5 - 6,5 bar	3,5 - 6,5 bar	3,5 - 6,5 bar
Operating temperature	+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



Safety features for patient and user:

Device type: not electrically operated
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NitroBlend 50F

Nitrous oxide-oxygen blender



The **NitroBlend** N2O nitrous oxide oxygen mixers / blenders are characterized by their particularly easy operation and high level of accuracy. The **NitroBlend 50F** variant was specially developed for the delivery room and is not adjustable, but fixed to 50% nitrous oxide. The gas mixture is delivered via a flow meter or via a connected demand valve. 100% oxygen can be administered at any time by pressing the flush button on the side. All variants use oxygen as a carrier gas.

Other variants:

NitroBlend 50A adjustable blender 0 - 50% N2O (100 - 50% O2)

NitroBlend 70A adjustable blender 0 - 70% N2O (100 - 30% O2)

Sufficient oxygen supply

In the NitroBlend 70A variant, the patient is supplied with at least 30% oxygen; a lower value cannot be set. In the NitroBlend 50A and 50F 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	NitroBlend 50A	NitroBlend 70A	NitroBlend 50F
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 N2O	50%	70%	50%
Special feature		Detent at 50% N2O	Permanently set
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 N2O	< 2,5 bar O2	< 2,5 bar O2	< 2,5 bar O2
O2 Flush	100% O2	100% O2	100% O2
Inlet pressure	3,5 - 6,5 bar	3,5 - 6,5 bar	3,5 - 6,5 bar
Operating temperature	+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



Safety features for patient and user:
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