



ResMed

AirFit™ N20
AirTouch™ N20

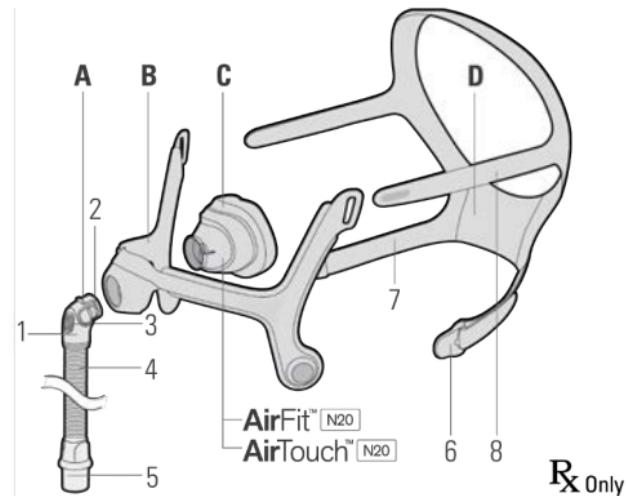
Nasal mask



Device Setting
Pillows



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Hitwin
HEALTHCARE



- | | | | |
|---|----------------------|---|----------------------|
| A | Elbow and short tube | 3 | Vent |
| B | Frame | 4 | Short tube |
| C | Cushion | 5 | Swivel |
| D | Headgear | 6 | Magnetic clip |
| 1 | Elbow | 7 | Lower headgear strap |
| 2 | Side buttons | 8 | Upper headgear strap |

Thank you for choosing the AirFit™N20/AirTouch™ N20. These masks are identical - except for the interchangeable AirFit N20 silicone cushion and AirTouch N20 foam cushion. This offers two choices for your mask, depending on your preferred comfort, stability and seal. These masks may not be available in all countries.

Intended use

The AirFit N20 and AirTouch N20 channel airflow non-invasively to a patient from a positive airway pressure (PAP) device such as a continuous positive airway pressure (CPAP) or bilevel device.

The N20 is:

- to be used by patients weighing more than 66 lb (30 kg) for whom positive airway pressure has been prescribed
- intended for single-patient re-use in the home environment and multi-patient re-use in the hospital/institutional environment.

AirTouch N20 cushion

The AirTouch N20 cushion is intended for single patient re-use in both the home and hospital/institutional environment and recommended to be replaced monthly.

WARNING

Magnets are used in the lower headgear straps and the frame of the mask. Ensure the headgear and frame is kept at least 2" (50 mm) away from any active medical implant (eg, Pacemaker or defibrillator) to avoid possible effects from localized magnetic fields. The magnetic field strength is less than 400 mT.

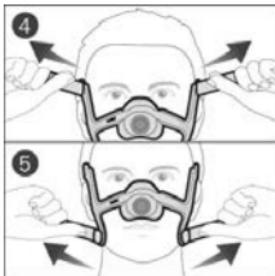
Contraindications

Use of masks with magnetic components is contraindicated in patients with the following pre-existing conditions:

- a metallic hemostatic clip implanted in your head to repair an aneurysm
- metallic splinters in one or both eyes.

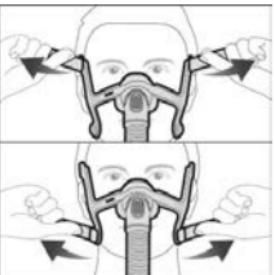
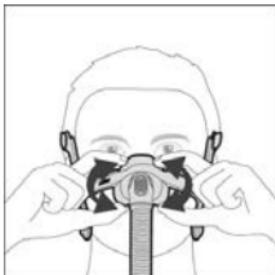
Fitting your mask





1. Twist and pull both magnetic clips away from the frame.
2. With both lower headgear straps released, hold the mask against your face and pull the headgear over your head. Ensure that the ResMed logo on the headgear is facing outwards and is upright when the headgear is put on.
3. Bring the lower straps below your ears, and attach the magnetic clip to the frame.
4. Undo the fastening tabs on the upper headgear straps. Adjust the straps evenly until the mask sits comfortably just over the nose. Reattach the fastening tabs.
5. Undo the fastening tabs on the lower headgear straps. Adjust the straps evenly until the mask is stable. Reattach the fastening tabs.
6. Connect the device air tubing to the short tube. Attach the elbow to the mask by pressing the side buttons and pushing the elbow into the mask, ensuring it clicks in on both sides.
7. Your mask and headgear should be positioned as shown in the illustration.

Adjusting your mask



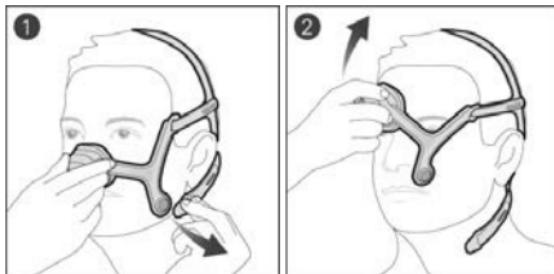
If necessary, slightly adjust the position of the mask for the most comfortable fit. Ensure that the headgear is not twisted and for the AirFit N20 the cushion is not creased.

1. Turn on your device so that it is blowing air.

Adjustment tips:

- ✓ To resolve any leaks at the upper part of the mask, adjust the upper headgear straps. For the lower part, adjust the lower headgear straps. Adjust only enough for a comfortable seal.
- ✓ The upper strap adjustment is the key to seal and comfort.
- ✓ Do not overtighten the lower straps because they mainly serve to keep the cushion in position.

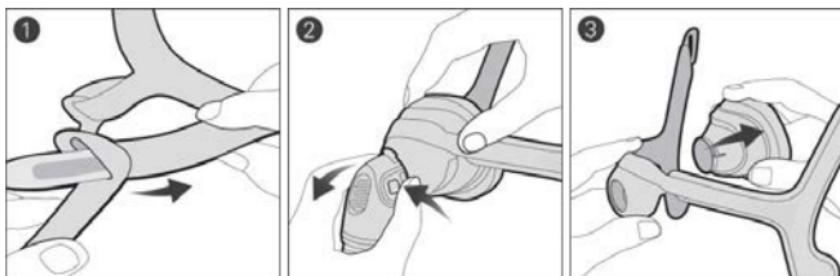
Removing your mask



1. Twist and pull both magnetic clips away from the frame.
2. Pull the mask away from your face and back over your head.

Disassembling your mask for cleaning

If the mask is connected to your device, disconnect the device air tubing from the short tube.



1. Undo the fastening tabs on the upper headgear straps and pull them from the frame. Keep the magnetic clips attached to the lower headgear straps.
2. Remove the elbow from the mask by pressing the side button and pulling the elbow away.
3. Hold the frame by placing your thumb over the side slot. Pull the cushion away from the frame.

Reassembling your mask

1. Push the cushion into the frame. The frame has a shape that allows you to insert the cushion only one way.
2. With the ResMed logo on the headgear facing outside and upright, thread the upper headgear straps into the frame slots from the inside. Fold them over to secure.

Cleaning your mask at home

It is important to follow the steps below to get the best performance out of your mask.

WARNING

- As part of good hygiene, always follow cleaning instructions and use a mild liquid detergent. Some cleaning products may damage the mask, its parts and their function, or leave harmful residual vapors that could be inhaled if not rinsed thoroughly.
- Regularly clean your mask and its components to maintain the quality of your mask and to prevent the growth of germs that can adversely affect your health.

CAUTION

Visible criteria for product inspection: If any visible deterioration of a system component is apparent (cracking, crazing, tears etc), the component should be discarded and replaced.

Once you have disassembled the mask, clean the components as follows.

AirFit N20 cushion, elbow and short tube (Daily/After each use)

1. Soak and agitate the AirFit N20 cushion, elbow and short tube in warm water (approximately 86°F/30°C) using a mild liquid detergent for up to 10 minutes.
2. Clean the components with a soft bristle brush, paying particular attention to the small vent holes on the elbow.
3. Thoroughly rinse the components under warm flowing drinking quality water.
4. Inspect each component to ensure that they are visually clean and free of detergent residue. If required, repeat washing.
5. Allow the components to dry out of direct sunlight before assembling.

Headgear, frame (Weekly)

The magnetic clips on the frame can be left on for washing.

1. Soak and agitate the separated headgear and frame in warm water (approximately 86°F/30°C) using a mild liquid detergent for up to 10 minutes.
2. To rinse the components, repeatedly squeeze them under warm flowing drinking quality water until it is free of detergent residue.
3. Squeeze the components to remove excess water.
4. Allow the components to dry out of direct sunlight before assembling.

AirTouch N20 cushion (as required)

CAUTION

- The cushion must not be submerged in liquid as this may damage the cushion and affect mask performance.
- Discard the cushion if it is submerged in liquid or heavily soiled.
- Do not expose the cushion to domestic cleaning products or cleaning devices.

You do not need to clean the AirTouch N20 cushion every day. It is recommended to replace your cushion every month. If any visible deterioration of the cushion is apparent, the cushion should be discarded and replaced. If required, wipe the outside of the foam cushion with CPAP wipes or similar alcohol-free wipes and allow to dry. Do not store or place the cushion in direct sunlight.

Troubleshooting

Problem/possible cause	Solution
Mask is too noisy.	Clean the vent according to the instructions.
Vent is dirty.	
Mask is incorrectly assembled.	Disassemble the mask, then reassemble according to the instructions.
Elbow and short tube incorrectly installed	Remove the elbow and short tube from your mask frame, then reassemble according to the instructions.
Mask is leaking.	Refit or reposition your mask. Readjust the headgear straps to bring the mask closer to the face and improve your seal. Check that your mask is assembled correctly.
<hr/>	
Mask leaks around face.	
Mask is not positioned correctly.	Check that the mask size indicator is facing downward on the bottom of the cushion along the bottom of your nose.
Mask may have been fitted incorrectly.	Pull the mask away from your face and reposition, ensuring that the lower corners of the mask fully enclose your nose. If necessary, readjust the headgear straps to keep the mask in the right place.
Cushion may be dirty.	Clean the cushion according to the instructions.
(For AirFit N20 only) Cushion membrane is creased or folded.	Remove and refit your mask according to the fitting instructions. Ensure that you position the cushion correctly over your nose before pulling the headgear over your head. Do not slide the mask down your face during fitting as this may lead to folding or curling of the cushion.
Cushion is not positioned correctly.	Reposition the mask on your face. If leak continues, turn off device, resettle your cushion and then turn device back on.
(For AirTouch N20 only) Cushion is nearing the end of its life	Cushion performance may deteriorate as the foam nears the end of its lifespan. Adjust your headgear and if the problem persists, replace the cushion.
Mask is not tightened correctly.	Ensure that the headgear straps are not overtightened or too loose. You may find that this mask does not need to be tightened as much as other nasal masks. Check that the headgear is not twisted.

Problem/possible cause	Solution
Mask may be the wrong size.	Talk to your clinician to have your face size checked against the fitting template. Note that sizing across different masks is not always the same.
Mask does not fit properly.	
Mask is incorrectly assembled.	Disassemble the mask, then reassemble according to the instructions.
Mask may be the wrong size.	Talk to your clinician to have your face size checked against the fitting template, Note that sizing across different masks is not always the same..

GENERAL WARNINGS

- The vent holes must be kept clear.
- The mask should only be used with CPAP or bilevel devices recommended by a physician or respiratory therapist.
- The mask should not be used unless the device is turned on. Once the mask is fitted, ensure the device is blowing air. Explanation: CPAP and bilevel devices are intended to be used with special masks (or connectors) which have vent holes to allow continuous flow of air out of the mask. When the device is turned on and functioning properly, new air from the device flushes the exhaled air out through the mask vent holes. However, when the device is not operating, insufficient fresh air will be provided through the mask, and the exhaled air may be rebreathed. Rebreathing of exhaled air for longer than several minutes can, in some circumstances, lead to suffocation. This applies to most models of CPAP or bilevel devices.
- Follow all precautions when using supplemental oxygen.
- Oxygen flow must be turned off when the CPAP or bilevel device is not operating, so that unused oxygen does not accumulate within the device enclosure and create a risk of fire.
- Oxygen supports combustion. Oxygen must not be used while smoking or in the presence of an open flame. Only use oxygen in well ventilated rooms.
- At a fixed rate of supplemental oxygen flow, the inhaled oxygen concentration varies, depending on the pressure settings, patient breathing pattern, mask, point of application and leak rate. This warning applies to most types of CPAP or bilevel devices.
- The technical specifications of the mask are provided for your clinician to check that they are compatible with the CPAP or bilevel device. If used outside specification or if used with incompatible devices, the seal and comfort of the mask may not be effective, optimum therapy may not be achieved, and leak, or variation in the rate of leak, may affect the CPAP or bilevel device function.

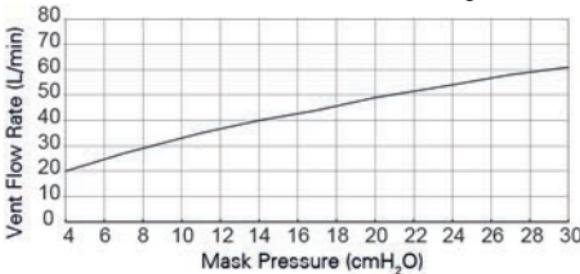
⚠ GENERAL WARNINGS

- Discontinue using this mask if you have ANY adverse reaction to the use of the mask, and consult your physician or sleep therapist.
- Using a mask may cause tooth, gum or jaw soreness or aggravate an existing dental condition. If symptoms occur, consult your physician or dentist.
- As with all masks, some rebreathing may occur at low CPAP pressures.
- Refer to your CPAP or bilevel device manual for details on settings and operational information.
- Remove all packaging before using the mask.
- The mask must be used under qualified supervision for users who are unable to remove the mask by themselves.
- This mask is not for use on patients with impaired laryngeal reflexes or other conditions predisposing to aspiration in the event of regurgitation or vomiting.
- Avoid connecting flexible PVC products (eg, PVC tubing) directly to any part of the mask. Flexible PVC contains elements that can be damaging to the materials of the mask, and may cause the components to crack or break.
- The N20 line of nasal CPAP masks are not intended to be used simultaneously with nebulizer medications that are in the air path of the mask/tube.
- The mask contains an exhaust port safety feature to enable normal breathing. The mask should not be worn if this safety feature is damaged or missing.

Technical specifications

Pressure-flow curve

The mask contains passive venting to protect against rebreathing.
As a result of manufacturing variations, the vent flow rate may vary.



Pressure (cm H ₂ O)	Flow (L/min)
4	20
7	27
11	35
14	40
17	44
20	49
24	54
27	58
30	61

AirFit N20

Therapy pressure

4 to 30 cm H₂O

AirTouch N20

4 to 30 cm H₂O

	AirFit N20	AirTouch N20
Dead space: Physical dead space is the empty volume of the mask to the end of the swivel. Using the large cushion it is	103 mL (Large)	103 mL (Large)
Resistance: Drop in pressure measured (nominal)		
at 50 L/min	0.3 cm H ₂ O	0.4 cm H ₂ O
at 100 L/min	1.3 cm H ₂ O	1.4 cm H ₂ O
Sound: DECLARED DUAL-NUMBER NOISE EMISSION VALUES in accordance with ISO 4871. The A-weighted sound power level and the A-weighted sound pressure level of the mask at a distance of 1 m, with uncertainty of 3 dBA, are shown		
Power level	24 dBA	24 dBA
Pressure level	15 dBA	15 dBA
Gross dimensions: Mask fully assembled with the short tube assembly and swivel, excluding the headgear (H x W x D)	13.3" x 11.4" x 6.4" (339 mm x 291 mm x 162 mm)	13.3" x 11.4" x 6.7" (339 mm x 291 mm x 170 mm)

Environmental Conditions

Operating temperature: 41°F to 104°F (5°C to 40°C)

Operating humidity: 15% to 95% RH non-condensing

Storage and transport temperature: -4°F to +140°F (-20°C to +60°C)

Storage and transport humidity: up to 95% RH non-condensing

International Commission on Non-Ionizing Radiation Protection (ICNIRP)

Magnets used in this mask are within ICNIRP guidelines for general public use.

Service Life

The service life of the mask system is dependent on the intensity of usage, maintenance, and environmental conditions to which the mask is used or stored. As this mask system and its components are modular in nature, it is recommended that the user maintain and inspect it on a regular basis, and replace the mask system or any components if deemed necessary or according to the 'visual criteria for product inspection' in the 'Cleaning your mask at home' section of this guide.

Mask Setting options

For AirSense, AirCurve or S9: Select "Pillows".

For other devices: Select 'SWIFT' (if available), otherwise select 'MIRAGE' as the mask option.



Device Setting
Pillows

Compatible devices: For a full list of compatible devices for this mask, see the Mask/Device Compatibility List at ResMed.com/downloads/masks. If you do not have internet access, please contact your ResMed representative.

Notes:

- This product is not made with PCV, DEHP, DBP or BBP.
- This product is not made with natural rubber latex.
- The manufacturer reserves the right to change these specifications without notice.

Reprocessing the mask between patients

Only Sleep Lab Mask (SLM) variants of the mask system are intended for multi-patient re-use. When using between patients, these masks must be reprocessed according to instructions available on ResMed.com/downloads/masks.

Storage

Ensure that the mask is thoroughly clean and dry before storing it for any length of time. Store the mask in a dry place out of direct sunlight.

Disposal

This mask does not contain any hazardous substances and may be disposed of with your normal household refuse.

Symbols

The following symbols may appear on your product or packaging:



Catalog number



Humidity limitation



Fragile, handle with care



Manufacturer



Keep away from rain



Nasal mask



Do not use if package damaged



Batch code



Temperature limitation



Not made with natural rubber latex



European Authorized Representative



This way up



Device setting - Pillows



Discard once signs of deterioration forms