



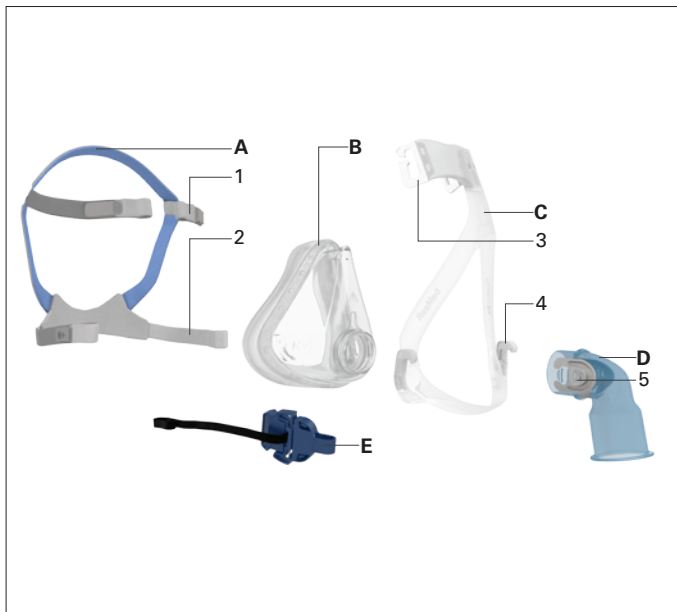
ResMed

Quattro™ Air NV

Non-vented full face mask



User guide
English



Mask components / Maskenkomponenten /
 Composants du masque / Componenti della maschera
 / Maskkomponenter / Maskekomponenter / Maskens
 komponenter / Maskin osat /
 Maski osad

		Quattro Air NV
A	Headgear / Kopfband / Harnais / Copricapo / Huvudband / Hovedbånd / Hodestropper / Pääremmit / Pearihm	62821 (S) 62820 (Std)
1	Upper headgear straps / Obere Kopfbänder / Sangles supérieures du harnais / Cinghie superiori del copricapo / Övre huvudbandsremmar / Øverste hovedbåndsstroppe / Øvre hodestropper / Pääremmien ylähihnat / Pearihma ülemised rihamad	
2	Lower headgear straps / Untere Kopfbänder / Sangles inférieures du harnais / Cinghie inferiori del copricapo / Nedre huvudbandsremmar / Nederste hovedbåndsstroppe / Nedre hodestropper / Pääremmien alahihnat / Pearihma alumised rihamad	
B	NV Cushion / NV Maskenkissen / Bulle NV / Cuscinetto NV / Oventilerad mjukdel / NV-pude / NV-pute / NV-pehmike / NV polster	62823 (XS) 62824 (S) 62825 (M) 62826 (L)
C	Frame / Maskenrahmen / Entourage rigide / Telaio / Maskram / Ramme / Ramme / Runko / Raam	62760 (XS/S) 62761 (M/L)
3	Upper headgear hooks / Obere Kopfbandhaken / Crochets supérieurs du harnais / Ganci superiori del copricapo / Hakar för övre huvudbandsremmarna / Øverste hovedbåndskroge / Øvre hodestroppkroker / Ylemmät pääremmien koukut / Pearihma ülemised haagid	

		Quattro Air NV
4	Lower headgear hooks / Untere Kopfbandhaken / Crochets inférieurs du harnais / Ganci inferiori del copricapo / Hakar för nedre huvudbandsremmarna / Nederste hovedbåndskroge / Nedre hodestroppkroker / Alemmat pääremmien koukut / Pearihma alumised haagid	
D	NV Elbow / NV Kniestück / Coude NV / Gomito NV / Oventilerat knärö / NV-vinkelstykke / NV-kneledd / NV-kulmakappale / NV torupölv	62827
5	Side buttons / Seitlich angebrachte Laschen / Boutons latéraux / Pulsanti laterali / Sidoknappar / Sideknapper / Sideknapper / Painikkeet / Nupud	
E	Quick release / Schnelllösflasche mit Clip / Clip de retrait rapide / Dispositivo di sgancio rapido / Säkerhetsspänne / Klemme til hurtig frigørelse / Hurtigtugtøsning / Pikairrotus / Kiirvabastus	62848
B+C+D+E		
	Frame system / Maskenrahmensystem / Entourage complet / Telaio / Maskramssystem / Rammesystem / Rammesystem / Maskin koko runko / Raami komplekt	62798(XS) 62799 (S) 62800 (M) 62801 (L)
A+B+C+D+E		
	Complete system / Komplettes System / Système complet / Maschera con tutti i componenti / Komplett system / Komplet system / Fullstendig system / Maski täydellisenä / Maski komplekt	62782 (XS) 62783 (S) 62784 (M) 62785 (L)

XS: Extra Small / Extra Small / Très Petit / Extra Small/ Extra Small / Extra Small / Extra Small / Erittäin Pieni / Väga väike

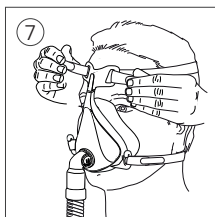
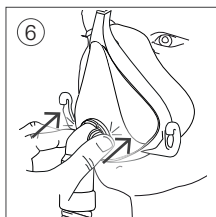
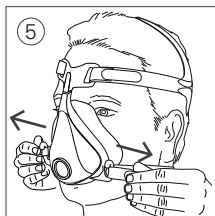
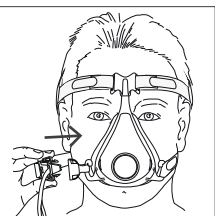
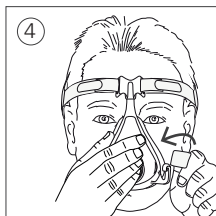
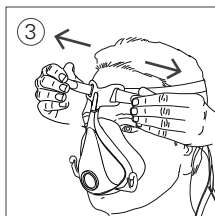
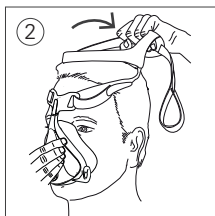
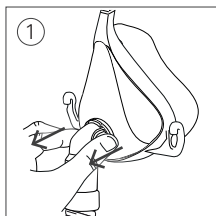
S: Small / Small / Petit / Small / Small / Small / Small / Small / Pieni / Väike

M: Medium / Medium / Médium / Medium / Medium / Medium / Medium / Keskikokoinen / Keskmine

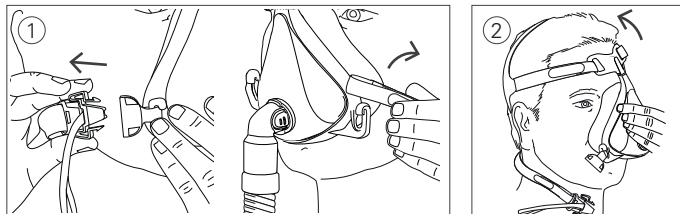
L: Large / Large / Large / Large / Large / Large / Large / Suuri / Suur

Std: Standard / Standard / Standard / Standard / Standard / Standard / Standard / Normaali / Standard

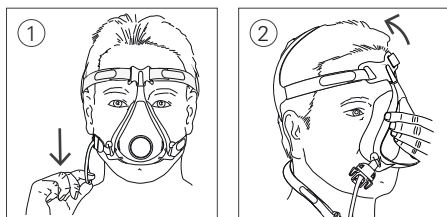
Fitting / Anlegen / Mise en place / Applicazione / Tillpassning /
Tilpasning / Tilpasning / Sovittaminen / Paigaldamine



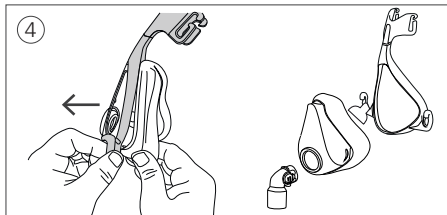
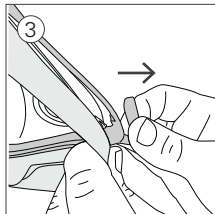
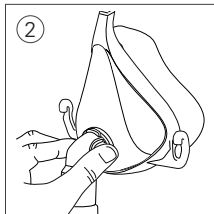
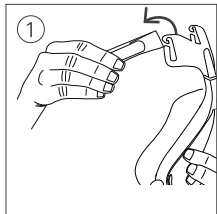
Removing your mask normally / Normales Abnehmen der Maske / Retrait normal de votre masque / Rimozione della maschera in modo normale / Normal borttagning av masken / Tag masken af normalt / Ta av masken på vanlig vis / Maskin pois ottaminen normaalilla tavalla / Maski eemaldamine tavapärasel viisil



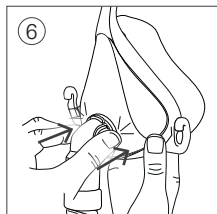
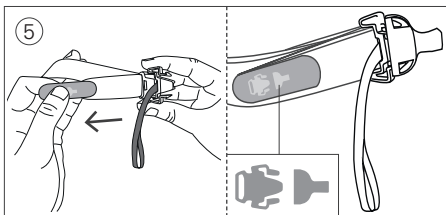
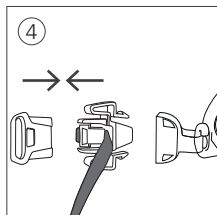
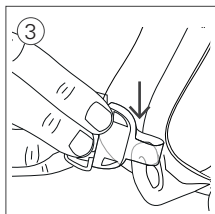
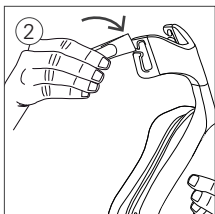
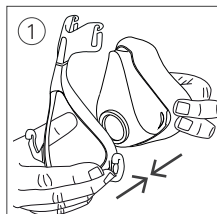
Removing your mask using the quick release / Abnehmen der Maske mithilfe der Schnelllöslasche / Retrait de votre masque à l'aide du cordon de retrait rapide / Rimozione della maschera utilizzando la cordicella di sgancio rapido / Borttagning med hjälp av snabbspännets snöre / Tag masken af vha. hurtigudløseren / Ta av masken ved hjelp av hurtigutløsningsssnor / Maskin pois ottaminen pikairrotusnauhaa käyttäen / Maski eemaldamine kiirpäästiku abil



Disassembly / Auseinanderbau / Démontage / Smontaggio /
Demontering / Adskillelse / Demontering / Purkaminen /
Osadeks lahtivõtmine



Reassembly / Zusammenbau / Remontage / Riassemblaggio
/ Montering / Samling / Montering / Kokoaminen /
Uesti kokkupanek



ENGLISH

Quattro™ Air NV

Non-vented Full Face Mask

Thank you for choosing the Quattro Air Non-Vented (NV) full face mask.

Using this guide

Please read the entire guide before use. When following instructions, refer to the images at the front of the guide.

Intended Use

The Quattro Air NV is a non-invasive accessory used for channelling air-flow (with or without supplemental oxygen), intended to be used with active-exhaust-valve ventilators, to provide ventilatory assistance to patients with respiratory insufficiency and respiratory failure.

The Quattro Air NV is:

- to be used by patients weighing >30 kg requiring non-life support ventilatory assistance.
- intended for single patient re-use in the home environment and/or multi-patient re-use in the hospital/institutional environment.

GENERAL WARNINGS

- The mask must not be used without qualified supervision for patients who are unable to remove the mask 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.
- The mask should only be used with ventilators recommended by a physician or respiratory therapist.
- The mask should not be worn unless the ventilator system is turned on and operating properly.
- Follow all precautions when using supplemental oxygen.
- If oxygen is used with the ventilator, the oxygen flow must be turned off when the ventilator is not operating, so that unused oxygen does not accumulate within the device enclosure and create a risk of fire.

- At a fixed rate of supplemental oxygen flow (if used), the inhaled oxygen concentration varies depending on the pressure settings, patient breathing pattern, mask size selection and leak rate.
- 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.
- The technical specifications of the mask are provided for your clinician to check that they are compatible with the ventilator. 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 ventilator function.
- 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.
- Refer to your ventilator manual for details on settings and operational information.
- Remove all packaging before using the mask.

Using your mask

ResMed has tinted the Quattro Air NV elbow blue to identify it as a non-vented mask.

The Quattro Air NV has a standard female 22mm tapered fitting for external connection to the ventilator.

Use a standard conical connector if pressure readings and/or supplemental oxygen are required.

Fitting

1. Remove the elbow from the mask by pressing the side buttons and pulling the elbow away.
2. With both lower headgear straps released, hold the mask against your face and pull the headgear over your head. Ensure that the label on the back of the headgear faces outwards when the headgear is put on.
3. Undo the fastening tabs on the upper headgear straps. Pull the straps evenly until the mask is stable and positioned as shown in the illustrations. Reattach the fastening tabs.

4. Bring the lower straps below your ears. Loop the headgear onto the frame and clip the quick release together.
5. Undo the fastening tabs on the lower headgear straps. Pull the straps evenly until the mask sits firmly on the chin and reattach the fastening tabs.
6. Start ventilation, then connect the air tubing from your device to the elbow. Attach the elbow to the mask by pressing the side buttons and pushing the elbow into the mask.
7. Undo the fastening tabs on the upper headgear straps. Readjust the straps evenly only enough that a seal is achieved and reattach the fastening tabs. Overtightening may cause leaks.
8. Your mask and headgear should be positioned as shown.

Removing your mask

There are two ways to remove your mask.

Removing your mask normally

1. Unclip the quick release from the frame by pinching the buttons on the sides. You can also remove the lower headgear strap from the hook.
2. Pull the mask away from your face and back over your head.

Removing your mask using the quick release cord

1. Pull the quick release cord down. The quick release clip separates from the mask.
2. Pull the mask away from your face and back over your head.

Disassembly

1. Unhook the upper headgear straps from the frame. There is no need to undo the fastening tabs.
2. Remove the elbow from the mask by pressing the side buttons and pulling the elbow away. Remove the elbow from the air tubing.
3. While holding the bottom of the hook, pull the corner of the frame slightly away from the side of the mask.
4. Remove the frame from the rest of the mask.

Reassembly

1. Press the frame onto the rest of the mask, ensuring it clicks into place at the top and at both bottom corners.
2. Attach the top headgear straps to the frame by looping through each of the upper headgear hooks. Ensure that the ResMed logo on the headgear is facing outward and right side up.
3. If the quick release clip has been removed from the frame, reattach it by threading it onto the lower right headgear hook.
4. If the quick release has been disassembled, reclip the parts together as shown in the reassembly illustrations.
5. If the quick release has been removed from the headgear, thread the lower right headgear strap through the slot on the quick release. Fold the tab over to reattach.
6. Attach the elbow to the air tubing. Attach the elbow and air tubing to the mask by pressing the side buttons and pushing the elbow into the mask. Pull on the elbow to check that it sits securely in the mask.

Cleaning your mask in your home

Your mask and headgear should only be handwashed by gently rubbing in warm (approximately 30°C) water using mild soap. All components should be rinsed well with drinking quality water and allowed to air dry out of direct sunlight.

WARNING

Always follow cleaning instructions and use mild soap. Some cleaning products may damage the mask, its parts and their function, or leave harmful residual vapours that could be inhaled if not rinsed thoroughly.

CAUTION

If any visible deterioration of a system component is apparent (cracking, discoloration, tears etc.), the component should be discarded and replaced.

Daily/After each use:

- Disassemble the mask components according to the disassembly instructions.
- Thoroughly clean the separated mask components (excluding headgear), by gently rubbing in warm (approximately 30°C) water using mild soap.
- To optimise the mask seal, facial oils should be removed from the cushion after use.
- Inspect each component and, if required, repeat washing until visually clean.
- Rinse all components well with drinking quality water and allow to air dry out of direct sunlight.
- When all components are dry, reassemble according to the reassembly instructions.

Weekly:

- Handwash the headgear. It may be washed without being disassembled.

Reprocessing the mask between patients

This mask should be reprocessed when used between patients. Cleaning, disinfection and sterilisation instructions are available from the ResMed website, www.resmed.com/masks/sterilization. If you do not have internet access, please contact your ResMed representative.

Troubleshooting

Problem/possible cause	Solution
Mask is uncomfortable	
Headgear straps are too tight.	The cushion membrane is designed to inflate against your face to provide a comfortable seal with low headgear tension. Adjust straps evenly. Ensure that the headgear straps are not too tight and that the cushion is not crushed or creased.
Mask could be the wrong size.	Talk to your clinician to have your face size checked against fitting template. Note that sizing across different masks is not always the same.
Mask is too noisy	
Elbow incorrectly installed.	Remove the elbow from your mask, then reassemble according to the instructions.
Mask leaks around the face.	
Cushion membrane is creased or folded.	Refit your mask according to the instructions. Ensure that you position the cushion correctly on your face before pulling 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.
Mask could be the wrong size.	Talk to your clinician to have your face size checked against fitting template. Note that sizing across different masks is not always the same.
Frame incorrectly fitted.	Remove the rest of the mask from the frame, then reassemble according to the instructions.

Technical specifications

Dead space information	Physical dead space is the empty volume of the mask to the end of the swivel. Using the large cushions it is 214 mL.
Therapy pressure	0 to 40 cm H ₂ O
Resistance	Drop in pressure measured (nominal) at 50 L/min: 0.1 cm H ₂ O at 100 L/min: 0.5 cm H ₂ O
Environmental conditions	Operating temperature: +5°C to +40°C Operating humidity: 15% to 95% non-condensing Storage and transport temperature: -20°C to +60°C Storage and transport humidity: up to 95% non-condensing
Gross dimensions	Extra Small: 156 mm (H) x 103 mm (W) x 111 mm (D)
Mask fully assembled with elbow assembly (no headgear)	Small: 156 mm (H) x 103 mm (W) x 112 mm (D) Medium: 175 mm (H) x 103 mm (W) x 112 mm (D) Large: 175 mm (H) x 103 mm (W) x 112 mm (D)

Notes:

- The mask system does not contain PVC, DEHP or phthalates.
- This product is not made with natural rubber latex.
- The manufacturer reserves the right to change these specifications without notice.

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		Batch code
	Humidity limitation		Temperature limitation
	Fragile, handle with care		Not made with natural rubber latex
	Manufacturer		European Authorized Representative
	Keep away from rain		This way up
	Indicates a Warning or Caution and alerts you to a possible injury or explains special measures for the safe and effective use of the device		
	Caution, consult accompanying documents		
	Non-vented mask		

Consumer Warranty

ResMed acknowledges all consumer rights granted under the EU Directive 1999/44/EC and the respective national laws within the EU for products sold within the European Union.



ResMed



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See www.resmed.com for other ResMed locations worldwide. For patent information, see www.resmed.com/ip. Quattro Air is a trademark of ResMed Ltd and is registered in the U.S. Patent and Trademark Office. © 2017 ResMed Ltd. 628098/3 2017-07

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