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## Ultra Mirage™ II Nasal Mask

Reorder No. 168161/1 2012 06

USER'S GUIDE  
English



## ILLUSTRATIONS SHEET / FICHE D'ILLUSTRATIONS / HOJA DE FIGURAS / FOLHETO DE ILUSTRAÇÕES

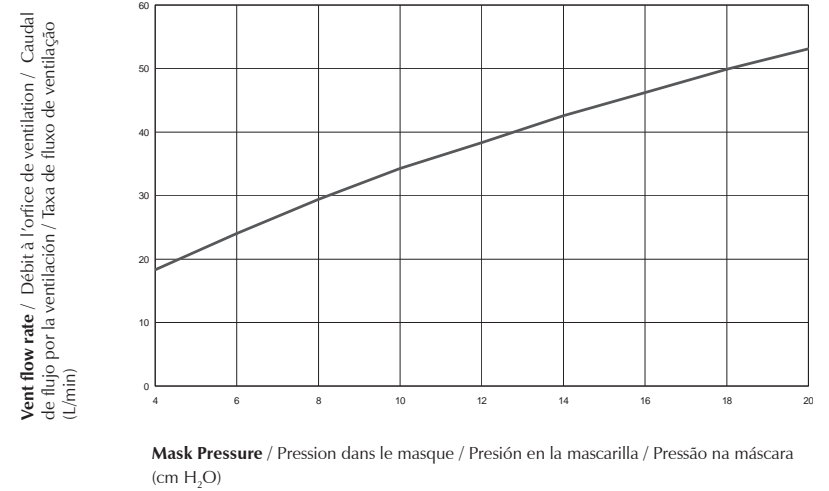
Note: For complete instructions, read the text section in conjunction with the illustrations on this sheet. / Remarque : pour les instructions complètes, veuillez vous référer au texte et aux illustrations de cette fiche. / Nota: Para instrucciones detalladas, sírvase leer el texto en conjunto con las ilustraciones de esta hoja. / Nota: Para obter informações completas, leia a secção de texto juntamente com as ilustrações que se encontram neste folheto.

Note: As a result of manufacturing variations, the vent flow may vary from the values listed in the following table. / Remarque : en raison des variations de fabrication, le débit aux orifices de ventilation peut différer des valeurs indiquées dans le tableau suivant. / Nota: Como resultado de variaciones en la fabricación, el flujo de ventilación podrá variar en relación con los valores listados en la siguiente tabla. / Nota: Como resultado de variações de fabrico, o fluxo de ventilação poderá variar em relação aos valores listados no quadro seguinte.

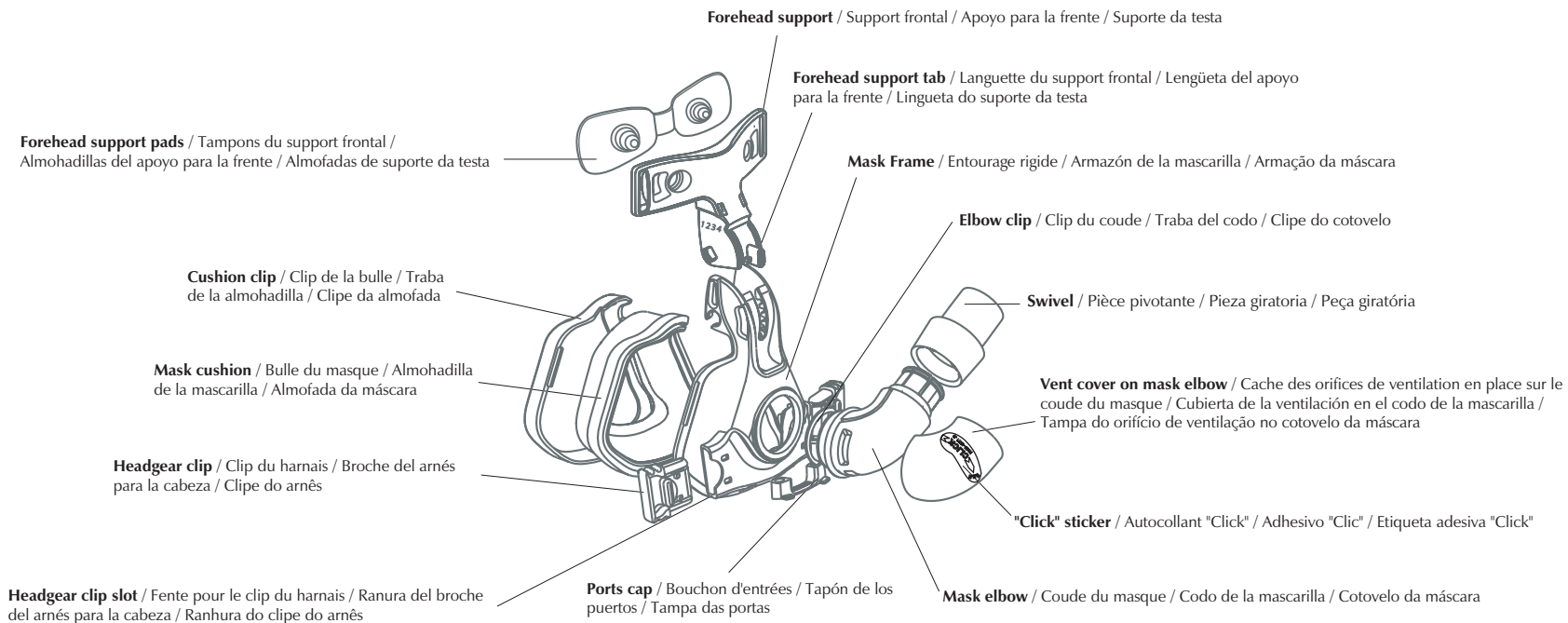
Pressure / Pression / Presión / Pressão	Flow / Débit / Flujo / Fluxo
4	18
8	29
12	38
16	46
20	53

**A**

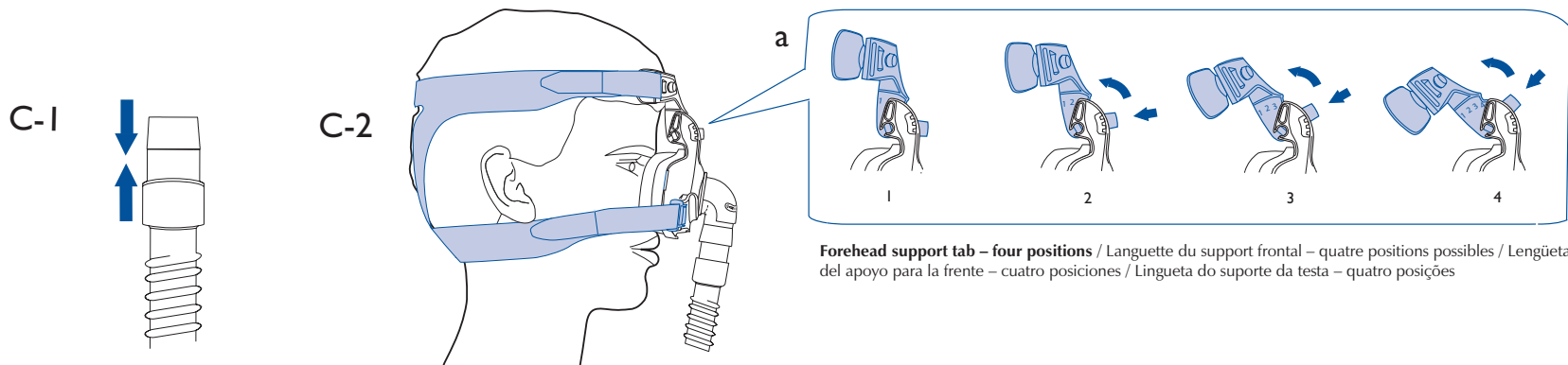
**Pressure-Flow Curve / Courbe Pression-Débit /  
Curva de Presión-Flujo / Curva de Pressão-Fluxo**



## B Mask Parts / Composants du masque / Piezas de la mascarilla / Peças da máscara



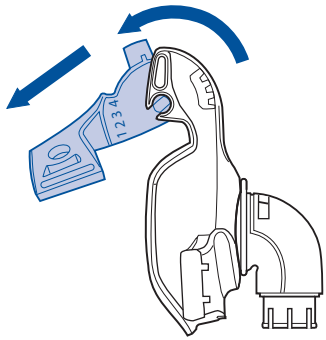
## C Fitting / Ajustement / Colocación / Ajuste



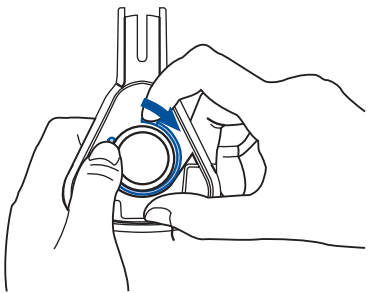
# D

## Disassembling / Démontage / Desmontaje / Desmontar

D-1



D-2

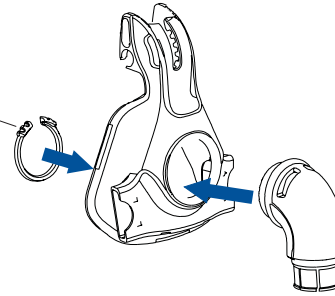


# E

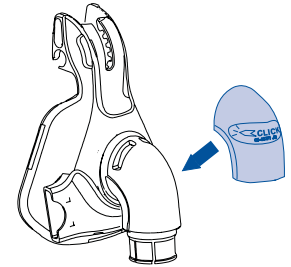
## Reassembling / Remontage / Montaje / Montagem

E-1

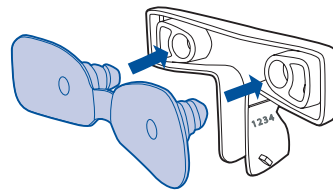
flat side of elbow clip faces mask frame /  
partie plate du clip du coude face à l'entourage rigide /  
el lado plano de la traba del codo mira hacia el armazón  
de la mascarilla / a face plana do clipe do cotovelo  
encontra-se virada para a armação da máscara



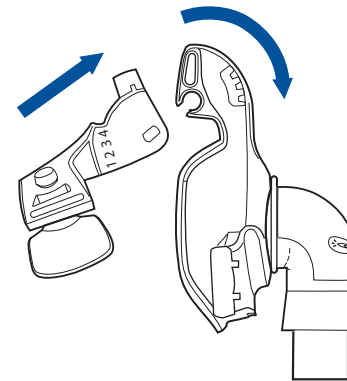
E-2



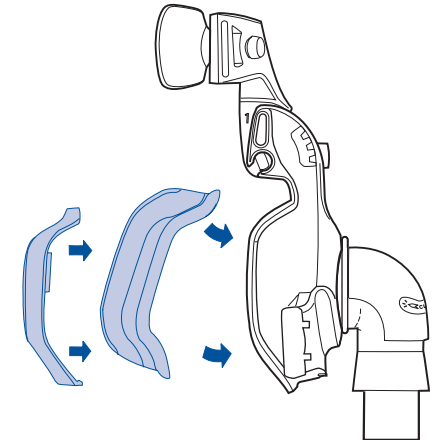
E-3



E-4



E-5



## Ultra Mirage™ II Nasal Mask

Thank you for choosing ResMed's  
**ULTRA MIRAGE™ II NASAL MASK.**

This mask is similar to the original  
**ULTRA MIRAGE™ NASAL MASK** and the two  
masks are equivalent in performance. The  
new upgraded mask includes an improved  
forehead support with flexible pads that  
conform to the shape of your forehead.

This user's guide provides you with the  
information you need for the correct use  
of your mask.

### INTENDED USE

The **ULTRA MIRAGE II NASAL MASK** is  
intended for multipatient use for adult  
patients prescribed continuous positive  
airway pressure (CPAP) or bilevel therapy  
in hospital, clinic, and/or home  
environments.



### CAUTION

In the USA, federal law restricts this  
device to sale by, or on the order of, a  
physician.

### MEDICAL INFORMATION

**Note:** *The mask system does not contain  
latex materials. If you have ANY reaction to  
any part of the mask system, discontinue  
use and consult your sleep therapist.*



### WARNINGS AND CAUTIONS

- This mask should be used only with  
CPAP or bilevel systems  
recommended by your physician or  
respiratory therapist. A mask should  
not be used unless the CPAP or bilevel  
system is turned on and operating  
properly. The exhaust vent should  
never be blocked.

**Explanation of the Warning:** CPAP  
and bilevel systems are intended to be  
used with special masks with  
connectors which may have vent holes  
or separate exhaust vents to allow  
continuous flow of air out of the mask.  
When the CPAP or bilevel device is  
turned on and functioning properly,  
new air from the flow generator flushes  
the exhaled air out through the  
attached mask exhaust vent. However,  
when the CPAP or bilevel device is not  
operating, enough fresh air will not be  
provided through the mask, and  
exhaled air may be rebreathed.  
Rebreathing of exhaled air for longer  
than several minutes can in some  
circumstances lead to suffocation. This  
warning applies to most models of  
CPAP or bilevel systems.

- At low CPAP pressures, the flow through the exhaust vent may be inadequate to clear all exhaled gas from the tubing. Some rebreathing may occur.

**Explanation of the Warning:** The exhaust vent flow is lower at lower mask pressures (see Pressure–Flow Curve in section **A** on the illustrations sheet). To avoid rebreathing it is recommended that a mask pressure of 4 cm H<sub>2</sub>O or more be used.

- If oxygen is used with the CPAP or bilevel device, the oxygen flow must be turned off when the flow generator is not operating.

**Explanation of the Warning:** When the CPAP or bilevel device is not in operation, and the oxygen flow is left on, oxygen delivered into the ventilator tubing may accumulate within the flow generator enclosure. Oxygen accumulated in the CPAP or bilevel device enclosure will create a risk of fire. This warning applies to most types of CPAP or bilevel flow generators.

- Please refrain from smoking while oxygen is in use.
- Using a mask may cause tooth, gum or jaw soreness or aggravate an existing dental condition. If symptoms occur, consult your physician or dentist.

**Note:** *At a fixed rate of supplemental oxygen flow, the inhaled oxygen concentration will vary, depending on the pressure settings, patient breathing pattern, mask selection, and leak rate.*

## PARTS OF THE MASK

See section **B** on the illustrations sheet.

## FITTING THE MASK

See section **C** on the illustrations sheet.

**Note:** *Before fitting the mask, refer to the section “Cleaning the Mask in the Home”.*

- 1 Push the air tubing all the way onto the swivel. The end of the air tubing and the ridge of the swivel must completely meet (**Fig. C-1**). Connect the other end of the air tubing to your flow generator.
- 2 Place the cushion over your nose, pull the headgear over your head and make the straps pass below your ears. Connect the other headgear clip to the mask frame.  
Use the Velcro® straps to adjust the fit of the headgear. Do not overtighten the straps (**Fig. C-2**).
- 3 The pads of the forehead support should lightly touch your forehead when the mask is in place.  
Adjust the forehead support if required, by moving it to one of the other tab positions (**Fig. C-2a**). There are four tab positions (1–4). To change a tab position, first, loosen the headgear straps. Then, press the forehead support tab and move it upwards to the next position (eg, from position 1 move it to position 2). Once again, gently tighten the headgear straps.
- 4 Grasp the edges of the vent cover on both sides of the “Click” sticker at the same time. Firmly push the vent cover onto the mask elbow to make sure it is clicked securely in place.
- 5 Turn the flow generator on. Lie down and check that the mask is comfortable and there are no air leaks. If there are air leaks, you may need to readjust the Velcro straps (see Step 2) or forehead support (see Step 3).

**Notes:**

- If you are unable to resolve any leaks you may need to try another cushion size.
- Select “Ultra” as the mask option when using the ULTRA MIRAGE II with ResMed flow generators that have mask setting options.

**CAUTION**

This mask is not compatible with those AutoSet T™ flow generators that have an internal pressure sensor line. It is compatible with all other ResMed AutoSet™ flow generators.

**REMOVING THE MASK**

To remove the mask, depress the tabs of the headgear clips. This releases the headgear clips from the mask frame. Pull the mask and headgear away from your head.

**Notes:**

- Do not pull the headgear off your head without releasing the headgear clips first.
- Check that you can remove the headgear clips or the headgear unaided.

**DISASSEMBLING FOR CLEANING**

See section D on the illustrations sheet.

- 1 Detach and separate the main air tubing, headgear, headgear clips, swivel, forehead pads, cushion clip, cushion, and ports cap.
- 2 Use your thumb on the side of the vent cover to remove it from the mask elbow.
- 3 Depress the forehead support tab and move it past the top tab position. This allows you to remove the forehead support from the mask frame (Fig. D-1).

- 4 From the inside of the mask frame, hold one side of the elbow clip in place and release the other side of the clip (Fig. D-2). Remove the clip and mask elbow from the mask frame.

**CLEANING THE MASK IN THE HOME****Notes:**

- Wash the headgear before first time use, as the dye may run. It is important to always handwash the headgear.
- The headgear may be washed without being disassembled.

**DAILY/AFTER EACH USE**

Handwash the mask components in lukewarm, soapy water. Use pure soap (an example of pure soap is Dove® soap, unscented; made by Unilever). Rinse the components well and allow them to air dry out of direct sunlight.

**WEEKLY**

Handwash the headgear in warm, soapy water. Use pure soap. Rinse well and allow it to air dry out of direct sunlight.

**CAUTIONS**

- Do not use solutions containing bleach, chlorine, alcohol, aromatics, moisturizers, antibacterial agents, or scented oils to clean any part of the mask system or air tubing. These solutions may cause damage and reduce the life of the product.
- Do not expose any part of the mask system or tubing to direct sunlight as it may deteriorate.



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

## REPROCESSING THE MASK BETWEEN PATIENTS

The mask should be reprocessed when used between patients.

Cleaning, disinfection and sterilization instructions are available from the ResMed website, [www.resmed.com/masks/sterilization/americas](http://www.resmed.com/masks/sterilization/americas).

If you do not have Internet access, please contact your ResMed representative.

## REASSEMBLING THE MASK

See section **E** on the illustrations sheet.

- 1 Insert the ports cap into the ports. Make sure the tabs of the ports cap face away from the mask.
- 2 Insert the mask elbow into the mask frame and secure it with the elbow clip on the inside of the frame (**Fig. E-1**). The flat side of the elbow clip must face the mask frame. If you have fitted the mask elbow correctly, it should not move when you try to firmly pull it away from the frame.
- 3 Grasp the edges of the vent cover on both sides of the “Click” sticker at the same time. Firmly push the vent cover onto the mask elbow to make sure it is clicked securely in place (**Fig. E-2**).
- 4 Push the swivel onto the end of the mask elbow.
- 5 Attach the forehead pads to the forehead support by inserting the pad plugs into the two holes on the back of the forehead support (**Fig E-3**). Push the pads firmly against the forehead support

to ensure that the pads fit securely into the forehead support.

- 6 Reconnect the forehead support to the mask frame. Depress the tab and move the forehead support into one of the four tab positions (**Fig. E-4**).
- 7 Fit the grooved edge of the nasal cushion to the mask frame. Fit the top section first, then work your way around the mask, pushing the cushion onto the frame, ensuring a good seal has been achieved. Push the cushion clip over the cushion onto the mask frame, ensuring it clicks into place in all locations (**Fig. E-5**).
- 8 Connect the headgear clips to the mask frame. Thread the headgear straps through the slots on the forehead support and the headgear clips. The **ULTRA MIRAGE** headgear label should face outwards and be near your neck when fitted. Fasten the Velcro straps.

## TECHNICAL SPECIFICATIONS

### PRESSURE–FLOW CURVE

See section **A** on the illustrations sheet.

### DEAD SPACE INFORMATION

Dead space is the empty volume of the mask up to the swivel.

The dead space of the mask varies according to cushion sizes but is less than 135 mL.

**Note:** *The manufacturer reserves the right to change these specifications without notice.*

## REPLACEMENT PARTS

Part No.	Item
16563	Cushion clip
16557	Cushion, <i>Large</i>
16558	Cushion, <i>Shallow</i>
16735	Cushion, <i>Shallow-wide</i>
16556	Cushion, <i>Standard</i>
16566	Elbow assembly
16572	Elbow clip (1 pk.)
16573	Elbow clip (10 pk.)
60123	Forehead pads (1 pk.)
60124	Forehead pads (10 pk.)
16590	Forehead support with pads
16594	Frame assembly
16728	Frame System with Cushion, <i>Large</i>
16727	Frame System with Cushion, <i>Shallow</i>
16736	Frame System with Cushion, <i>Shallow-wide</i>
16726	Frame System with Cushion, <i>Standard</i>
16119	Headgear, <i>Large</i>
16117	Headgear, <i>Standard</i>
16118	Headgear, <i>Small</i>
16569	Headgear clip (2 pk.)
16734	Headgear clip (10 pk.)
16560	Mask frame
16570	Ports cap/s (2 pk.)
16571	Ports cap/s (10 pk.)
16565	Swivel
16575	Vent cover

## LIMITED WARRANTY

ResMed warrants that your ResMed mask system, including its components: mask frame, cushion, headgear, tubing and other accessories ("Product") shall be free from defects in material and workmanship for a period of ninety (90) days from the date of purchase by the initial consumer.

For further details refer to the Warranty.



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See [www.resmed.com](http://www.resmed.com) for other ResMed locations worldwide.



For patent information, see [www.resmed.com/ip](http://www.resmed.com/ip).

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Dove is a registered trademark of Unilever.

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