



Mask

Full Face Mask (F4)

User Manual



Full Face Mask (F4)

Thank you for choosing BMC's Full Face Mask (F4). The mask is comfortable, flexible and quiet. It is designed to minimize contact with your face, thus ensuring that you feel comfortable during therapy. This user manual provides you with the information you need for the correct use of your mask. The Mask is not made with natural rubber latex.

Intended Use

The Full Face Mask (F4) channels airflow non-invasively to a patient from a positive airway pressure device such as a continuous positive airway pressure (CPAP) or bi-level system. The Full Face Mask (F4) is:

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

CAUTION: In the US, Federal law restricts the sale of this device to sale by or on the order of a physician.

Contraindications

This mask should be used with caution for patients with following conditions:

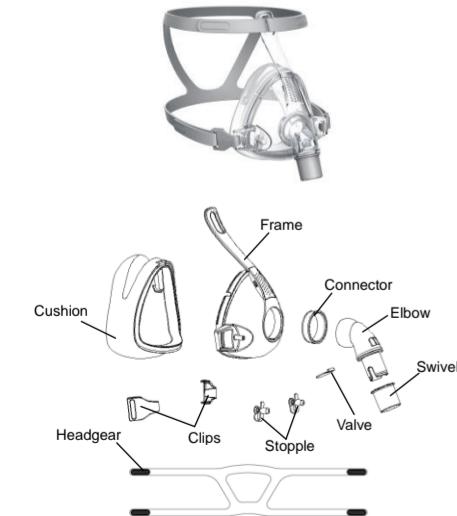
- Facial deformity.
- Injured facial skin which will contact with the mask during use.

Before Using the Mask

WARNINGS

- The vent holes must be kept clear.
- This mask should only be used with CPAP or bilevel devices recommended by a physician or respiratory therapist.
- **Explanation of Warning:** CPAP systems are intended to be used with special masks with connectors which have vent holes to allow continuous flow of air out of the mask. When the CPAP machine is turned on and functioning properly, new air from the CPAP machine flushes the exhaled air out through the attached mask exhalation port. However, when the CPAP machine is not operating, enough fresh air will not be provided through the mask, and exhaled air will 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 systems.
- At low CPAP pressures the flow through the exhaled port may be inadequate to clear all exhaled gas from the tube. Some rebreathing may occur.
- To minimize the risk of vomiting during sleep, the patient should avoid eating or drinking for three hours before using the mask. This mask is not recommended if the patient is taking a prescription drug that may cause vomiting.
- Do not use the mask without the Non-Rebreathing Valve in place.
- Not applicable for silicone-allergy user.
- This mask should not be used on patients who are uncooperative, obtunded, unresponsive, or unable to remove the mask.
- Follow all precautions when using supplemental oxygen.
- Oxygen flow must be turned off when the flow generator is not operating, so that unused oxygen does not accumulate within the flow generator enclosure and create a risk of fire.
- At a fixed flow 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.
- The technical specifications of the mask are provided for your clinician to check if it is compatible with the flow generator. If it is used beyond technical specifications or 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 function of the flow generator.
- Stop using the Full Face Mask (F4) and consult your physician or sleep therapist, if you have ANY adverse reaction to the use of the mask.
- Refer to your flow generator manual for details on settings and operational information.
- Remove all packaging before using the mask.
- Images shown here are indicative only. If there is inconsistency between the image and actual product, the actual product shall govern.

Components of the Full Face Mask (F4)



Note: The Frame assembly is composed of Frame, Connector, Elbow assembly. The Elbow assembly is composed of Elbow and Valve.

Components of Full Face Mask (F4)



Pass the upper straps of the headgear through the installation hole of the mask as shown in the figure and secure it, repeat the process with the lower straps to join the headgear clip.

Place the mask on the face and extend the headgear to the back of the head / Please confirm that the label on the back of the headgear faces outward when the headgear is worn.

Bring the lower-half straps beneath the ear and insert the clips into the fixed hook on the lower-half part of the mask frame.



Extend the upper-half straps of the headgear as shown in the above figure until the mask is fixed properly.

Repeat the process for the lower-half headgear as shown in the above figure until the mask is fixed properly.

Open the device for the air supply. Attach the respiratory hose with the swivel on the base of the mask.

Adjust the position of the mask to confirm a tight seal.



Undo and remove the upper-half headgear straps out of the hole on the mask frame.

Remove the cushion from the mask frame.

Remove the Swivel from the Elbow.

Cleaning the Mask at Home

Notes:

- The mask and headgear can only be cleaned through hand washing.
- The elbow assembly and the connector cannot be disassembled from the frame assembly for washing.
- The elbow and the valve cannot be disassembled from the elbow assembly for washing.

CAUTIONS

- Do not use solutions containing bleach, chlorine, alcohol, aromatics, moisturizers, antibacterial agents, or scented oils to clean any part of the system or air tubing. These solutions may cause damage and reduce the life of the product.
- Exposing any part of the system or tubing to direct sunlight or heat may cause deterioration.
- If any visible deterioration of a component is apparent (cracking, crazing, 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 (approx. 30°C) water using mild liquid detergent for 10 min.
- Use a soft bristle brush to clean the vent.
- 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 and all components in warm (approx. 30°C) and mild liquid detergent for up to 10 minutes. Rinse the components well and allow them to air dry out of direct sunlight.

Reprocessing the Mask between Patients

This mask should be reprocessed when used between patients. Cleaning and disinfection instructions are available from the BMC website, www.bmc-medical.com. If you do not have internet access, please contact your BMC representative.

Reassembling the Mask



Install the Swivel onto the Frame and confirm that the Swivel is reliable.

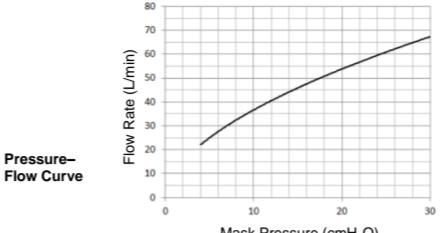
Install the Cushion onto the Frame and confirm that the Cushion is reliable.

Install the upper-half headgear onto the upper-half installation hole of the Frame assembly.

Troubleshooting

Problem	Possible Reason	Possible Solution
Mask won't seal properly or is uncomfortable.	Mask may have been fitted incorrectly.	Carefully follow instructions in "Fitting the Mask" section. Make sure the headgear is not over-tightened.
	Mask size is wrong.	Consult your clinician.
Mask leaks around the face.	The cushion is misplaced on the cushion frame.	Check insertion of the cushion and reinsert correctly according to the instructions in "Reassembling the Mask" section.
	Mask size is wrong.	Consult your clinician.
Mask is too noisy.	Vents are blocked or partially blocked.	Clean the vents according to the instructions in "Cleaning the Mask at Home" section.

Technical Specifications



Dead Space 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 260 ml.

Therapy Pressure Drop in Pressure measured (average for 3 sizes) at 50 L/min: 0.15 cmH₂O, at 100 L/min: 0.5 cmH₂O

Resistance The inspiratory resistance of the mask (in combination with the Non-Rebreathing Valve) is 1.8 cmH₂O at 50 L/min.

Inspiratory and Expiratory Resistance The expiratory resistance of the mask (in combination with the Non-Rebreathing Valve) is 2.0 cmH₂O at 50 L/min.

Anti Asphyxia Valve open-to-atmosphere pressure ≤ 4 cmH₂O

Anti Asphyxia Valve closed-to-atmosphere pressure ≤ 4 cmH₂O

Sound DECLARED DUAL-NUMBER NOISE EMISSION VALUES in accordance with ISO 4871. The A-weighted sound power level of the mask is 30 dBA, with uncertainty 3 dBA. The A-weighted sound pressure level of the mask at a distance of 1 m is 22 dBA, with uncertainty 3 dBA.

Environmental Conditions Operating temperature: +5°C to +40°C (41°F to 104°F) Operating humidity: 0% ~ 93% relative humidity non-condensing Storage and transport: -25°C to +70°C (-13°F to 158°F) Storage and transport humidity: 0% ~ 93% relative humidity non-condensing

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

Symbols

System and Packaging Caution, consult accompanying documents. 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.

LOT Lot number

REF Catalog number

Temperature limitation

Humidity limitation

Manufacturer

EC REP Authorized Representative in the European Community

Limited Warranty It is warranted that the Full Face Mask (F4), including Frame Assembly, Cushion, Headgear, Swivel and other accessories 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.

To exercise the rights under this warranty, contact the local authorized dealers.

The expected service life of Full Face Mask (F4) is one year.

MANUFACTURER:

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Tel: +86-22-82939881

Components of the Full Face Mask (F4)

The Frame assembly is composed of Frame, Connector, Elbow assembly. The Elbow assembly is composed of Elbow and Valve.

Components of Full Face Mask (F4)

English/Español/Italiano



Mask

Full Face Mask (F4)

Manual del Usuario



Full Face Mask (F4)

Gracias por elegir la Full Face Mask (F4) de BMC (Modelo: F4).

Esta máscara es cómoda, flexible y silenciosa. Está diseñada para minimizar el contacto con su cara, y de este modo asegurar su comodidad durante la terapia. Este manual del usuario le proporciona la información que necesita para utilizar su máscara de forma correcta. La Máscara No está hecha con latex natural.

Uso previsto

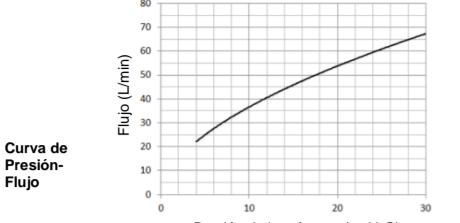
La Full Face Mask (F4) canaliza el flujo de aire de forma no invasiva al paciente desde un equipo de presión positiva continua en las vías respiratorias, tal como un sistema de presión positiva continua en las vías respiratorias (PPCVR) o un sistema binivel.

La Full Face Mask (F4) es:

- Para ser usada por pacientes adultos (> 66 lb / 30 kg), para quienes la terapia de presión positiva en las vías respiratorias ha sido formulada.
- Destinada a la reutilización por parte de un solo paciente en un entorno doméstico y por múltiples pacientes en un entorno hospitalario / institucional.

PRECAUC

Especificaciones Técnicas



Información sobre el espacio muerto El espacio muerto es el volumen vacío de la máscara hasta la junta giratoria. El espacio muerto de la máscara varía según los tamaños de las almohadillas, pero en todo caso es menor de 260 ml.

Presión terapéutica 4 a 30 cmH₂O

Resistencia Caida de presión medida (promedio de 3 tallas) a 50 L/min: 0,15 cmH₂O, a 100 L/min: 0,5 cmH₂O

Resistencia inspiratoria y exhalatoria La resistencia inspiratoria de la máscara (en combinación con la válvula anti-reinspiración) es 1,8 cmH₂O a 50 L/min.

La resistencia exhalatoria de la máscara (en combinación con la válvula anti-reinspiración) es 2,0 cmH₂O a 50 L/min.

La válvula de anti-asfixia abierta a la presión ambiental ≤ 4 cmH₂O

La válvula de anti-asfixia cerrada a la presión ambiental ≤ 4 cmH₂O

VALORES DE EMISIÓN DE RUIDO DECLARADOS MEDIANTE DOS CIFRAS en cumplimiento con ISO 4871. El nivel de potencia acústica ponderado A de la máscara es 30 dBA, con una incertidumbre de 3 dBA. El nivel de presión acústica de la máscara a una distancia de 1 m es 22 dBA, con una incertidumbre de 3 dBA.

Temperatura de funcionamiento: +5°C a +40°C (41°F a 104°F)

Humedad de funcionamiento: 0% ~ 93% humedad relativa, sin condensación

Condiciones ambientales Almacenamiento y transporte: -25°C a +70°C (-13°F a 158°F)

Humedad de almacenamiento y transporte: 0% ~ 93% humedad relativa, sin condensación

Almacenamiento

Asegúrese de que la máscara esté limpia y seca antes de guardarla durante cualquier periodo de tiempo. Guarde la máscara en un lugar seco fuera de la luz solar directa.

Eliminación

La máscara no contiene sustancias peligrosas y se puede eliminar junto con la basura doméstica habitual.

Símbolos

Sistema y Embalaje

Precaución, consulte la documentación adjunta. Indica una advertencia o una precaución y le avisa de una posible lesión o le describe medidas especiales para el uso seguro y eficaz del dispositivo.

LOT

Número de lote

REF

Número del catálogo

Límite de temperatura

Límite de humedad

Fábricante

Autorizado por representantes de la Comunidad Europea

Garantía Limitada

Se garantiza que la Full Face Mask (F4), incluye la Instalación del marco, Almohadilla, Arnés, Giratorio y otros accesorios, estarán libres de defectos en materiales y mano de obra por un período de noventa (90) días a partir de la fecha de compra por parte del consumidor inicial.

Para ejercer los derechos bajo esta garantía, póngase en contacto con los distribuidores locales autorizados.

El tiempo de vida útil esperado de la Full Face Mask (F4) es de años.

FABRICANTE:
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Componentes della Full Face Mask (F4)



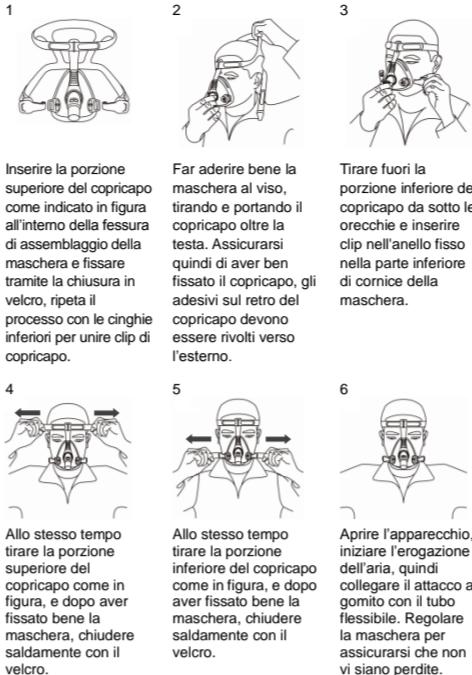
Mask

Full Face Mask (F4)

Manuale d'uso



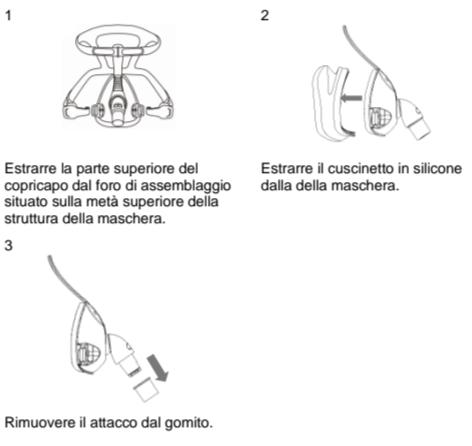
Indossare la maschera



Smontare la maschera

Note:
 1. L'assieme a gomito e il connettore non possono essere dissociati dall'unità del telaio.
 2. L'assieme a gomito non possono essere smontati.

3. Il dischetto della valvola non può essere smontato, lo smontaggio può infatti causare il danneggiamento dello stesso e / o determinare un successivo montaggio difficoltoso.



Pulizia della maschera a casa

Note:
 1. La maschera e il copricapo possono essere puliti solo con un accurato lavaggio a mano.
 2. L'assieme a gomito e il connettore non possono essere dissociati dall'unità del telaio per il lavaggio.
 3. Il gomito e la valvola non possono essere disseminati da l'assieme a gomito per lavaggio.

ATTENZIONE

- Non usare soluzioni contenenti candeggina, cloro, alcool, aromi, idratanti, antibatterici od altri profumati per pulire qualsiasi parte del sistema o tubo dell'aria. Queste soluzioni possono provocare danni e ridurre la durata del prodotto.
- L'esposizione di qualsiasi parte del sistema o dei tubi alla luce diretta del sole o a calore può provocare deterioramenti.
- In caso di evidente deterioramento visibile di un componente (fenditure, screpolature, strappi, eccetera), il componente deve essere eliminato e sostituito.

Giornaliero / Dopo ogni utilizzo

- Smontare i componenti della maschera seguendo scrupolosamente le istruzioni di smontaggio.
- Pulire con cura le componenti smontate dalla maschera (ad esclusione del fermacavo), strofinando delicatamente in acqua calda (circa 30°C) usando un detergente leggero liquido per 10 minuti.
- Utilizzare una spazzola in setole morbide per la pulizia del boccettone.
- Risciacquare bene tutti i componenti con acqua potabile e permettere loro di asciugarsi all'aria lontani dalla luce diretta del sole.
- Riassemblare secondo le indicazioni delle istruzioni di ri-assemblaggio, quando tutti i componenti saranno asciutti.

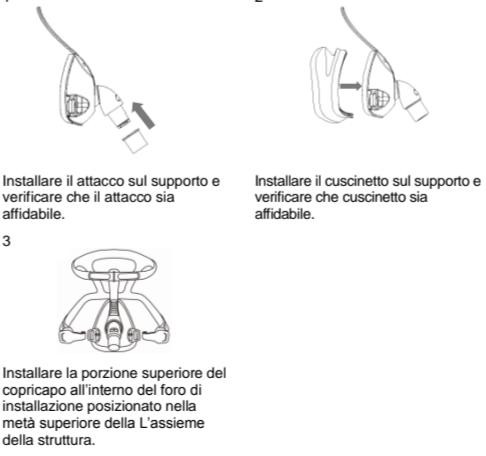
Settimanale

Lavare a mano il copricapo e tutti i componenti in acqua calda (circa 30°C) e detergente liquido lieve per un massimo di 10 minuti. Risciacquare bene tutti i componenti e permettere loro di asciugarsi all'aria lontani dalla luce diretta del sole.

Riprocessare la maschera tra un paziente e l'altro

Questa maschera dovrebbe essere riprocessata quando viene passata da un paciente all'altro. Istruzioni di pulizia e disinfezione sono disponibili sul sito della BMC, www.bmc-medical.com. Se non disponete di accesso a Internet, contattate il vostro rappresentante.

Rimontare la maschera



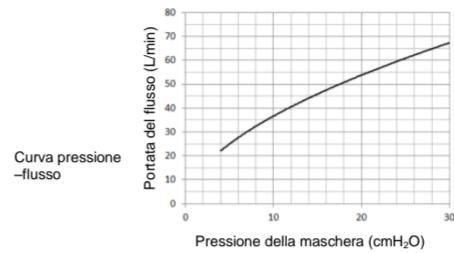
Note: L'assieme della struttura è composto da Supporto, Connettore, L'assieme a gomito. Il L'assieme a gomito è composto da gomito e valvola.

Componenti della Full Face Mask (F4)

Risoluzione dei problemi

Problema	Possibile causa	Possibile soluzione
La maschera non ha una tenuta corretta oppure è scomoda.	La misura della maschera è sbagliata.	Seguire attentamente le istruzioni della sezione "Indossare la maschera". Assicurarsi che il copricapo non sia troppo stretto.
La maschera perde attorno al viso.	Il cuscinetto non è installata correttamente sul supporto del cuscinetto.	Controllare l'installazione del cuscinetto ed inserire di nuovo correttamente seguendo le istruzioni contenute nella sezione "Rimontare la maschera".
La maschera è troppo rumorosa.	La misura della maschera è sbagliata.	Consultare il medico.
I fori di ventilazione sono bloccati o parzialmente bloccati.	Pulire i fori di ventilazione secondo le istruzioni della sezione "Pulizia della maschera a casa".	

Specifiche tecniche



Informazioni sullo spazio morto	Lo spazio morto è il volume vuoto della maschera fino al giunto rotante. Lo spazio morto della maschera varia in base alle misure dei cuscinetti, ma è inferiore a 260 ml.
Terapia a pressione	Da 4 a 30 cmH ₂ O
Resistenza	Caduta di pressione misurata (media per le 3 misure) A 50 L/min: 0,15 cmH ₂ O, A 100 L/min: 0,5 cmH ₂ O
Resistenza inspiratoria ed espiratoria	La resistenza inspiratoria della maschera (in combinazione con la valvola di non re-inalazione) è di 1,8 cmH ₂ O a 50 L/min. La resistenza espiratoria della maschera (in combinazione con la valvola di non re-inalazione) è di 2,0 cmH ₂ O a 50 L/min.
Anti-Afissia Valvola aperta pressione all'aria	≤ 4 cmH ₂ O
Anti-Afissia Valvola chiusa pressione all'aria	≤ 4 cmH ₂ O

Audio	Le EMISSIONI SONORE DICHIARATE A DUE VALORI sono in conformità con ISO 4871. Il livello di potenza sonora ponderata A della maschera è di 30 dBA, con un margine di 3 dBA. Il livello di pressione sonora ponderata A della maschera ad una distanza di 1 m è di 22 dBA, con un margine di 3 dBA.
Temperatura operativa:	Da +5°C a +40°C (Da 41°F a 104°F)
Umidità operativa:	0% ~ 93% di umidità relativa, senza condensa
Condizioni ambientali	Immagazzinamento e trasporto: Da -25°C a +70°C (Da -13°F a 158°F) Umidità di immagazzinamento e trasporto: 0% ~ 93% di umidità relativa, senza condensa

Immagazzinamento

Assicurarsi che la maschera sia ben pulita e asciutta prima di riportarla per un certo periodo di tempo. Conservare la maschera in un luogo asciutto e lontano dalla luce diretta del sole.

Smaltimento

La maschera non contiene sostanze pericolose e può essere smaltita insieme ai normali rifiuti domestici.

Simboli

Sistema e imballaggio

Attenzione, consultare la documentazione allegata. Indica un avviso o una precauzione ed avvisa l'utente di una possibile lesione, oppure illustra le misure speciali per l'uso in sicurezza ed efficace del dispositivo.

LOT

Número de lote

REF