



Frequently Asked Questions



ResMed magnetic headgear clips

Please note that the information below is a ResMed guide. Patients with additional questions or seeking additional information about these topics should contact their home medical equipment (HME) provider or physician who prescribed their CPAP mask.

Are the magnets safe to use?

Yes. Magnets are used in the lower headgear straps and frame of the mask, and are within International Commission for Non-Ionizing Radiation Protection (ICNIRP) guidelines for general public use.¹ For patients who have active medical implants, such as a pacemaker, defibrillator, magnetic cerebrospinal fluid (CSF) shunt valve or cochlear implants, it is recommended that the headgear and frame be kept at least 2 inches (50 mm)² away from any active medical implants* to avoid possible effects from localized magnetic fields. The magnetic field strength is less than 400 millitesla (mT). Use of masks with magnetic components is contraindicated in patients with a metallic hemostatic clip implanted in the head to repair an aneurysm, or a metallic splinter in one or both eyes.

Why do I need to keep the magnetic headgear clips more than 2 inches (50 mm) from my active medical devices?

There are various types of active medical devices. Magnets may interact differently with each type of device. Typically, if a magnet is brought too close to an implantable pacemaker or ICD device, the device will temporarily switch to default mode. For other implantable devices, please refer to guidance from the manufacturer. We recommend keeping our magnetic clips at least 2 inches (50 mm) from active medical devices.

Will the magnetic headgear clips stay secured to the mask frame? Will they come off during the night?

It is possible that the magnetic clips will come off during the night if bumped or moved with force. However, this is unlikely as the magnetic clips have been designed and tested to provide a stable and secure fit that will accommodate movement throughout the night.

What is the relative strength of each magnet on the headgear clip in millitesla (mT)?

The strength of each magnet on the headgear clip is between 250 mT to 270 mT, which is within the allowable safety limits of 400 mT.³

Will the magnetic headgear clips affect the operation of hearing aids or cochlear implants?

Contact your physician or HME provider for more information on the interaction between magnets and cochlear implants or hearing aids. However, the magnetic headgear clips should not affect the performance of these devices.



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Do the headgear clip magnets have the same radiation as my mobile phone?

No. Mobile phones have an alternating magnetic field. The magnets on the headgear clips have a static magnetic field and meet current safety guidelines.¹

Will the magnet strength deteriorate over time?

The magnet strength should not deteriorate over time under normal use conditions.

Will repeated thermal disinfection impact the strength of the magnets?

Thermal disinfection should not impact the strength of the magnets. The magnetic headgear clips have been tested for 30 cycles of thermal disinfection at various time/temperature combinations including 194°F (90°C) for one minute, as per International Organization for Standardization (ISO) standards. Refer to the mask disinfection guide for product-specific reprocessing instructions.

Are there special steps I need to take to care for and maintain these magnets?

No additional steps are required outside of normal mask maintenance. For at-home use, leave the magnets attached to the headgear and wash the headgear once a week by soaking and agitating it in warm water using a mild liquid detergent for up to 10 minutes. For additional information, please refer to the ResMed mask user guide.

Can these magnets fall out of the clip?

No. The magnets are completely encapsulated within the clip, so they will not fall out.

Will the clips stick to my dental braces?

Can I still use the mask?

Most dental braces are non-ferrous metals, which means they don't contain iron and are non-magnetic. Consult your orthodontist for more information.

Can these magnets be disposed of normally with household garbage?

Yes. The mask systems, including the magnetic headgear clips, may be disposed of with normal household garbage.



AirFit™ F30



AirFit™ F30i



AirTouch™ F20



AirFit™ F20



AirFit™ N10



AirFit™ N20



AirTouch™ N20

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* This list is not inclusive of all medical implants – if you or your bed partner have any implanted medical device in the head and/or chest region, please consult your physician or implanted device manufacturer..

1 The guidelines (<https://www.icnirp.org/cms/upload/publications/ICNIRPrfgd12020.pdf>) for public exposure to static magnetic fields are established by the International Commission for Non-Ionizing Radiation Protection (ICNIRP) and are recognized by the World Health Organization (WHO).

2 Recommendation based on ResMed internal product bench testing

3 Per the general public usage limit as recommended by ICNIRP Guidelines on Limits of Exposure to Static Magnetic Fields – published in: *Health Physics* 96(4):504-514; 2009.

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