

To our customers of  
*NovaStar TS and NovaStar plus NIV oronasal  
mask*

*January 2023*

## Important Safety Notice

*Magnets of NovaStar masks might impact implants or implanted medical devices.*

### **Only the following products are affected:**

Annex I – Overview of NovaStar TS and NovaStar plus

Dear Sir or Madam,

During the course of our global market surveillance activities, we have become aware that other manufacturers of masks similar to our NovaStar TS and NovaStar plus have received complaints indicating that the magnets used in the swivel frame/tube set and the headgear clips might impact medical devices (implanted as well as not-implanted) and metallic implants. Dräger is not aware of any similar event related to NovaStar TS and NovaStar plus masks. However, NovaStar TS and NovaStar plus also features a magnet in the swivel frame/tube set and the headgear clips.

**In case the magnets of the NovaStar TS and NovaStar plus are positioned near medical devices (implanted as well as not-implanted) and metallic implants the magnetic field might impact the implants or devices and cause serious injury.**

The magnetic field strength of the NovaStar TS and NovaStar plus magnets is 380mT. Tests have shown that no magnetic field was measured at a distance of at least 15cm from the magnet.

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Sitz der Gesellschaft: Lübeck  
Handelsregister:  
Amtsgericht Lübeck HRB 7903 HL  
Komplementär: Drägerwerk Verwaltungs AG  
Sitz der Gesellschaft: Lübeck  
Handelsregister:  
Amtsgericht Lübeck HRB 7395 HL

Vorsitzender des Aufsichtsrats der  
Drägerwerk AG & Co. KGaA und  
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Stefan Lauer  
Vorstand:  
Stefan Dräger (Vorsitzender)  
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## Actions to be taken:

Use of the mask is contraindicated for patients and other persons in close vicinity to patients using the masks, that have implanted devices that may be affected by magnets, including but not limited to:

- Pacemakers
- Implantable cardioverter defibrillators (ICD)
- Neurostimulators
- Magnetic metallic implants/electrodes/valves placed in upper limbs, torso, or higher (i.e., neck and head)
- Cerebral spinal fluid (CSF) shunts (e.g., ventriculo peritoneal (VP) shunt)
- Aneurysm clips
- Embolic coils
- Intracranial aneurysm intravascular flow disruption devices
- Metallic cranial plates, screws, burr hole covers, and bone substitute devices
- Metallic splinters in the eye
- Ocular implants (e.g., glaucoma implants, retinal implants)
- Certain contact lenses with metal
- Implants to restore hearing or balance that have an implanted magnet (such as cochlear implants, implanted bone conduction hearing devices, and auditory brainstem implants)
- Magnetic denture attachments
- Metallic gastrointestinal clips
- Metallic stents (e.g., aneurysm, coronary, tracheobronchial, biliary)
- Implantable ports and pumps (e.g., insulin pumps)
- Hypoglossal nerve stimulators
- Devices labeled as MR (Magnetic Resonance) unsafe

- Magnetic metallic implants not labeled for MR or not evaluated for safety in a magnetic field

Apart from the contraindication, you can continue to use NovaStar plus masks, if you ensure that the magnets are kept at least 15 cm (approx. 6 inches) away from any other medical implants or medical devices that can be impacted by the magnetic fields.

Please add a copy of this Important Safety Notice to every box of masks you have in your facility and ensure that all users of the above-mentioned products and other persons within your organization are made aware it.

If you have provided the products to third parties, please forward a copy of this information.

Dräger will be updating the NovaStar Instructions for Use accordingly. Until the updated version of the Instructions for Use is available, we will be adding this Important Safety Notice to each box of masks.

Please keep this information at least until the measure has been completed.

The responsible authorities have been notified of this action.

**Identification of the affected medical devices:**

According to our records, you have received NovaStar TS and/ or NovaStar plus masks manufactured by Drägerwerk AG & Co. KGaA (see attached list) that are affected by this issue.

**Contact:**

If you have any questions, please do not hesitate to contact your local Dräger representative.

We apologize for any inconvenience caused by this measure.

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We thank you for your support.

With kind regards



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**Oliver Möller**  
Post Market Surveillance  
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Medical Division  
Drägerwerk AG & Co. KGaA

**Attachment:**

- List of affected NovaStar TS and NovaStar plus part numbers

**Annex I – Affected NovaStar TS and NovaStar plus**

Material	Description
MP01564	NovaStar SE VPack S,3xMP01579
MP01565	NovaStar SE VPack M,3xMP01580
MP01566	NovaStar SE VPack L,3xMP01581
MP01569	NovaStar AAV VPack L,3xMP01578
MP01576	NovaStar® TS NIV-Mask,AAV,S
MP01577	NovaStar® TS NIV-Mask,AAV,M
MP01578	NovaStar® TS NIV-Mask,AAV,L
MP01579	NovaStar® TS NIV-Mask,SE,S
MP01580	NovaStar® TS NIV-Mask,SE,M
MP01581	NovaStar® TS NIV-Mask,SE,L
MP01585	NovaStar TS Headgear Clips,4pc
MP04701	NovaStar® TS NIV-Mask,AAVNV,S
MP04702	NovaStar® TS NIV-Mask,AAVNV,M
MP04703	NovaStar® TS NIV-Mask,AAVNV,L
MP04704	NovaStar®TS NIV-Mask,AAVNV,XL
MP04705	NovaStar® TS NIV-Mask,SE,XL
MP04706	NovaStar® TS NIV-Mask,AAV,XL
MP05051	NovaStar plus, NIVmask, SE, S
MP05052	NovaStar plus, NIVmask, SE, M
MP05053	NovaStar plus NIVmask, SE, L
MP05054	NovaStar plus NIVmask, SE, XL
MP05061	NovaStar plus, NIVmask, AAV, S

Material	Description
MP05062	NovaStar plus, NIVmask, AAV, M
MP05063	NovaStar plus, NIVmask, AAV, L
MP05064	NovaStar plus, NIVmask, AAV, XL
MP05071	NovaStar plus, NIVmask, AAVnV, S
MP05072	NovaStar plus, NIVmask, AAVnV, M
MP05073	NovaStar plus, NIVmask, AAVnV, L
MP05074	NovaStar plus, NIVmask, AAVnV, XL
MP05080	NovaStar® plus Headgear