FRESENIUS KABI

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# **Agilia** MRI Guard

## Infusion Magnetic Resonance Imaging's Protection

- Compatible with all Agilia infusion pumps
- Ensures safe positionning for patient security
- Prevents interference within magnetic fields of up to 20 mT

# **Agilia** MRI Guard

## Use in MR environment

**MRI-scanner**
To be used both with 1.5 Tesla and 3.0 Tesla MRI Scanners

**Magnetic field**
To be used in magnetic fields up to 20 mT

**Magnet Indicator**
Continuously measures the intensity of the magnetic field emitting a color coded visual LED and audible signal

## Use of Agilia pumps

With 1 up to 4 Agilia pumps
Compatible with: Injectomat Agilia, Injectomat MC Agilia, Injectomat TIVA Agilia, Volumat Agilia, Volumat MC Agilia, Agilia SP, Agilia SP MC, Agilia SP MC WIFI, Agilia SP TIVA, Agilia SP TIVA WIFI, Agilia VP, Agilia VP MC, Agilia VP MC WIFI

## Main technical characteristics

**Dimensions**
H/W/D: 151 cm (59.44 in) x 62 cm (24.41 in) x 62 cm (24.41 in)
Height including IV Pole: 194 cm (76,38 in)

**Weight**
Approximately 47 kg

## Safety features

**Electromagnetic field protection**
Faraday cage

**Magnetic field measurement**
Magnet indicator

**External window**
Electromagnetic shield

**Positioning**
Mounted on 4 rolling wheels with break

## Signaling

**Magnet indicator**

| | |
|---|---|
| Normal operation | Magnetic field < 20 mT<br>Color: green |
| Caution! | Magnetic field: 20 - 40 mT<br>Color: yellow<br>The device must be moved back to return to the green zone |
| Warning! | Magnetic field > 40 mT<br>Color: red<br>The device must not be used in this zone. Move the unit away immediately! |

**Cap user interface indicators**

| | |
|---|---|
| Power status LED | Displays mains connection status<br>Color: green |
| Battery status LED | Displays battery status and alarm<br>Color: green / yellow / red |
| System status LED | Displays internal software status<br>Color: green / yellow / red |

**Alarm centralisation LED**

| | |
|---|---|
| Function | Displays Agilia Infusion pumps alarms and pre alarms |
| RED | High priority alarm |
| YELLOW | Medium or low priority alarm |

## Main power specifications

Agilia MRI Guard can be on battery or mains-operated

**Function**
Primary source for Agilia power outlets and for internal electronics of Agilia MRI Guard

**Connector**
Standard appliance inlet IEC type C14 - male - 3 poles

**Power supply**
100 V to 240 V AC - 50 / 60 Hz

**Maximum power** (with pumps)
75 VA

**Protective fuse**
2 fuses, 2 A timed with high breaking capacity - T 2A H 250 V
Fuseholder is externally accessible on mains power inlet connector

**Electric protection**
Class I with protective earth, with 3-wire power cord

## Cap user interface integrated battery (rechargeable)

**Function**
Backup battery when mains power is not available or transport of the device

**Characteristics**
7.2 V / 2.2 Ah - Lithium Ion rechargeable battery

**Battery life**
Preventive replacement after 3 years

**Self protections**
Over-current, over-discharge, over-voltage and over-temperature

**Charging time**
At least 15 hours with integrated automatic charger when the device is plugged to the mains

## Battery-pack of magnet indicator

**Function**
Battery to operate the Magnet Indicator independently from the power supply of the Agilia MRI Guard rack

**Access**
Battery is fixed with two screws. It can be easily replaced with a screwdriver

**Characteristics**
4.5 V / 18 Ah - Primary Alkaline (ZN/MnO2) battery, non rechargeable

**Battery life**
1 year minimum by normal operation (Replacement by annual quality control of Agilia MRI Guard)

**Self-protections**
Over-current, over-discharge

## Compliances with standards

**CE0123**
Complies with the 93/42/EEC Medical directive

**Safety of electromedical equipments**
Complies with IEC 60601-1:2005 - Amendment A1:2012
IP22 protection against dust and splashing liquid
Defibrillation-proof type B applied part
Class I with protective earth
Agilia power outlets are wired on internal functional earth to reduce residual current that may disturb ECG or EEG devices

**EMC (electromagnetic compatibility)**
Complies with IEC 60601-1-2:2014

**MR conditional**
Magnetic field max. 20 mT (200 Gauss)



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