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RETAIN THESE INSTRUCTIONS FOR USE FOR THE WHOLE LIFE CYCLE OF THE PRODUCT AND PASS THEM ON TO ANY SUBSEQUENT HOLDER OR USER OF THE PRODUCT.

Producer: KLARO, spol. s r.o., Ke Hřišti 187, Velké Chvalovice, 289 11 Pečky, Czech Republic / www.klaro.cz

Product:	Basic UDI-DI	Version	Cat. no.
INFUSION STAND	859420883N100XCR	Infusion stand NEREZ1002	NEREZ1002*
		Infusion stand NEREZ1005	NEREZ1005*
		Infusion stand NEREZ1005A	NEREZ1005A*
		Infusion stand NEREZ1005B	NEREZ1005B*

The product catalogue number of the infusion stands is located on a label on the underside of the undercarriage.

Classification/risk class of the medical device: class I (rule 1)

Indication, description of the medical device:

The infusion stands are intended for professional use in healthcare facilities for intravenous administration of medication by infusion therapy to patients indicated for this treatment. Mobile infusion stands are designed for short-distance operation in barrier-free interiors.

NEREZ1002* - 4 hooks for hanging infusion holders or infusion bags, height adjustment between 120 and 210 cm
LOAD CAPACITY of 1 HOOK - 4 kg max.
TOTAL LOAD CAPACITY OF THE STAND - 16 kg max.



NEREZ1005* - 4 hooks for hanging infusion holders or infusion bags, height adjustment between 120 and 210 cm, possibility of attaching infusion pump
Load capacity of 1 HOOK - 4 kg max.
TOTAL LOAD CAPACITY OF THE STAND - 40 kg max






NEREZ1005A* - 2 hooks for hanging infusion holders or infusion bags, 2 holders for inserting infusion bottles, height adjustment between 160 and 220 cm, possibility of attaching infusion pump
LOAD CAPACITY of 1 HOOK - 5 kg max.
LOAD CAPACITY OF 1 INFUSION BOTTLE HOLDER 5 kg max
TOTAL LOAD CAPACITY OF THE STAND - 40 kg max



NEREZ1005B* - 4 hooks for hanging infusion holders or infusion bags, height adjustment between 135 and 245 cm, possibility of attaching infusion pump
LOAD CAPACITY of 1 HOOK - 4 kg max.
TOTAL LOAD CAPACITY OF THE STAND - 40 kg max



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Sterilisation, period of use, storage conditions, warranty period

The product is supplied in a non-sterile state and is not intended for sterilisation in a medical facility. The product is intended for repeated use. The life of the product is limited by mechanical wear and tear or damage. For this reason, the period of use is set at 10 years from the first use; for use beyond this period, a service inspection is required. Store at -20 to +60 °C (-4 to +140°F). The products are covered by a 2-year warranty.

Cleaning and disinfection

Wash the products with highly diluted solutions of standard disinfectants or with water and standard detergent. None of these agents shall contain abrasives.



Never use disinfectants or other substances containing chlorine or its derivatives - this applies to all parts of the product.

Wipe the surface of the product only with a damp, non-abrasive cloth or sponge. Prevent water from entering the space between the fixed and extendable part of the infusion stand. The surface of the product might be damaged by mechanical stress such as scratching and rubbing, increased pressure with sharp objects or abrasive surface.

Warnings, safety instructions

Use the product only in accordance with the information given in this instruction manual, particularly with the information on the purpose of use and warnings.

The stand must not serve as a support for patients. Injury may occur.

Do not use any damaged products.

Disinfect and clean the device regularly and as needed to prevent the initiation of the growth of pathogenic microorganisms.

We do not recommend any product changes and the potential consequences will not be covered by the support service or product warranty.

The stand must not be placed on an inclined surface, it may fall even if brakes are engaged on the casters. The casters with brakes are not designed to brake the cart on an inclined surface, they are only used to prevent the cart from moving on a horizontal floor.

Before releasing the height adjustment lock, hold the top extension part of the stand to prevent the stand from undesired lowering.

Perform the height adjustment of the stand without hanging any infusions on it, this will prevent the possibility of the infusion falling.

Make sure to lock the height adjustment thoroughly, thus you will avoid the possibility of undesired lowering of the top part.




After placing the infusion on the stand, make sure the infusion holder/bag is hung properly and secured against falling.

After placing the infusion bottle in the bottle holder, make sure the bottle is positioned correctly and secured against falling.

Only attach the infusion pumps (for type NEREZ1005*, NEREZ1005A*, NEREZ1005B*) to the bottom Ø25 mm of the stand. In the case of mounting multiple pumps, place these evenly around the perimeter of the stand to allow correct balancing (with 180° offset between two pumps around the perimeter of the stand when 2 pumps are used, with 120° offset when 3 pumps are used, etc.) - to avoid possible deterioration of the stability of the stand. Do not attach the pumps to the upper Ø18 mm extension part of the stand, there is a risk of loss of stand stability.

Do not drive the stands over significant surface irregularities (such as door sills, etc.) to avoid damage to the casters.

Load the stand evenly and do not exceed the set maximum load capacity or the load capacity of its individual components - this could lead to damage to the product or deterioration of its stability.

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Caution

Stainless steel is the generic name used for all types of steel that are not subject to corrosion, or that are resistant to oxidation. There is so-called passive layer on the surface which is renewed constantly and prevents corrosion. In essence, **corrosion is a phenomenon that occurs because of partial or total damage to the passive layer.**

The main general causes that cause corrosion of stainless steel materials are:

- **The level of chlorine** - corrosion may occur at concentrations higher than 2 mg/l depending on the period of time the stainless steel material is exposed to the elevated concentration.
- **The concentration of dissolved salt** - dissolved salt, deposited on the surface of the stainless steel, prevents oxygen access and creation of a passive layer and its regeneration. Electrolysis of table salt causes irreversible damage to all stainless steel materials.
- **Change in pH** - the correct pH is 7.2 - 7.6. Any change, especially lowering the pH, causes water corrosivity and corrosion of stainless steel materials.
- **Combination of chlorine effects and ambient humidity** - the most common situation is a combination of both factors, i.e. condensation and chlorine effects.
- **Combining or contact of different materials** - formation of an electrical cell and subsequent galvanic corrosion may occur

The stainless steel (AISI304) used is resistant to water, water vapour, air humidity, edible acids and low concentration organic and inorganic acids. It resists weathering except of coastal areas or environments with higher concentration of corrosive chemicals.

Do not use abrasive cleaners - these may damage the surface of the product mechanically.

Never use steel wool for cleaning (it may contaminate the surface with iron particles).



Never use disinfectants or other substances containing chlorine or its derivatives - this applies to all parts of the product (not just stainless steel parts).

If stainless steel comes into contact with acids (especially in high concentrations), the surface must be washed immediately with plenty of warm water and wiped dry.

All cleaning agents must be used in accordance with the producer's instructions. If cleaning agents are used incorrectly (e.g. at high temperature or in high concentrations) they can cause discoloration or corrosion of the surface of stainless steel of any quality.

Do not leave any items subject to corrosion (e.g. containers and tools made of uncoated carbon steel) lying on the surface. These items may corrode when in prolonged contact with the wet surface and leave hard-to-remove stains on the stainless steel or cause permanent damage to the stainless steel material.

Do not leave food or materials with an etching effect (e.g. fruit juices, table salt, salt water, vinegar) on surfaces for extended periods of time - these may inhibit the formation of a passive layer and cause irreversible discoloration or corrosion of the stainless steel surface.




Avoid dirt deposition on the surface - it may contain small particles of metal and rust released from other materials and may cause surface corrosion.

Resistant stains and discoloration can be removed with gentle cleaning solutions (e.g. dish-washing products) - then rinse thoroughly with clean water and wipe dry.

Traces of oil and grease can be removed with organic solvents (e.g. acetone, alcohol) - then wash thoroughly with soap and water, rinse with clean water and wipe dry.

Incipient rust and other corrosion products can be removed with oxalic acid. Prepare the cleaning solution according to the producer's instructions, apply with a cloth, leave for 15 to 20 minutes and then rinse with water. As a subsequent step dish washing liquid can be used until completely clean. Caution - deterioration of sanded or polished surfaces may occur. Then rinse thoroughly with clean water. Precautions for cleaning using acids, prescribed by the producer of the product must be followed.

Safe disposal

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When disposing of the product, follow the local applicable regulations and hand over the non-functioning product to an authorised person (specialized company) for environmentally-friendly disposal, preferably for recycling or further use. The authorised person shall ensure that the product is disassembled into different types of recyclable or recoverable waste. The waste produced is not considered to be hazardous waste. In the event of contamination of the product with chemicals or chemical mixtures, follow the instructions for disposal provided by the producer of these substances.

Note to users:

Report any serious adverse event occurring in connection with the use of these products to the producer without delay, write to (e-mail): klaro@klaro.cz.

Explanation of symbols



CE mark - marking of conformity of the product according to Article 20 of Regulation 2017/745/EU on Medical Devices (MDR)



The symbol "BATCH CODE" – indicates the batch number of the producer.



The symbol "CATALOGUE NUMBER" – indicates the catalogue number of the product.



The mark "Caution" - Alerts the user to the need to consult the Instructions for use for important warnings such as cautions and precautions for use that for various reasons cannot be placed directly on the medical device.



Medical device