

Flexx one IV+ Infusion Pole

GB Directions for use



Version 1.0
© 2016 Jansen Medicars



**Jansen
Medicars**

© 2016 Jansen Medicars

P.O. Box 49
3600 AA
Maarssen
Netherlands

Tel. +31 30 2613500
Fax. +31 30 2616714
URL www.medicars.com

No rights can be derived from this publication. Nothing may be duplicated from this publication without written permission from Jansen Medicars.

1 Content

1	CONTENT	1
2	INTRODUCTION	2
2.1	BOOKMARK	2
3	GENERAL SAFETY RULES.....	3
4	CONSTRUCTION OF THE INFUSION POLE	9
4.1	ELECTRICAL INSTALLATION	9
5	INSTALLATION	10
5.1	CONTROL.....	10
5.2	MAKING THE IV-POLE READY FOR USE.....	10
6	MAINTENANCE AND INSPECTION	11

2 Introduction

The Infusion Pole described in this manual has been developed for setting up medical equipment compactly. Important starting points for developing this Infusion Pole were:

- Modular construction a result of which the Infusion Pole can be assembled to customer's specifications.
- Possibility to combine electrical- and gas based systems, taking into account the requirements specified in the medical standard for medical devices (NEN/EN/IEC 60601-1).
- Must comply with standards for electrical installation and stability.

2.1 Bookmark

Important! Read these directions for use in their entirety before you use or move the car. Take the directions for safety (chapter 2) especially into consideration. Do not work on the Infusion Pole if you do not possess the necessary knowledge, or if you are not authorised to do so.

Jansen Medicars cannot be held responsible for damage, consequential damages and injuries caused by incorrect use/treatment or by negligent maintenance.

3 General safety rules

This chapter contains important safety rules for working with the Flexx one IV+ Infusion Pole.

Important! Read these safety rules in its entirety before you start using, installing, cleaning, maintain or moving the Infusion Pole.

Take the following into consideration:



DO NOT REMOVE TRADE, WARNING OR SAFETY LABELS/STICKERS. WARRANTY VOID IF LABELS/STICKERS ARE MISSING



The Infusion Pole is for INDOOR use only



The Infusion Pole is built in accordance with the latest state of technology and conforms to all the statutory safety stipulations. In spite of this, the use of this Infusion Pole could cause injury to the user or a third party, or damage to the Infusion Pole or other goods. Only use the Infusion Pole in a technically correct condition which conforms to the written intentions, and in the environment for which the Infusion Pole has been made, taking into consideration the user manual.

Before you move the Infusion Pole



Before moving the Infusion Pole, switch off the central power switch and unplug the mains socket. Make sure the mains cable is secured on the Infusion Pole before moving the Infusion Pole.

Flexx one manual

Installation, operation and use



If the Infusion Pole is equipped with an arms for devices, the arms should be moved as close as possible to the Infusion Pole before the Infusion Pole is moved. This is necessary for the stability while the Infusion Pole is moving.



Ensure that objects being transported on the Infusion Pole are attached properly. This prevents objects falling off the Infusion Pole while it is moving.



Before moving the Infusion Pole, check that the brakes on both wheels are off.



Check before and while moving the Infusion Pole that persons or objects cannot become trapped by the Infusion Pole and/or wires from the Infusion Pole to the patient.



The Infusion Pole must be PUSHED using the handle on the rear side. You then have maximum control of the Infusion Pole and you will have a good view of the Infusion Pole and the route that you are taking. NEVER PULL THE INFUSION POLE.



Adjust your speed to the immediate circumstances. The Infusion Pole should never travel faster than 2km/hour (1.24 mph) so that control is maintained during unexpected situations. Moving at a normal walking pace (4 to 5km/hour or 2,5 to 3 mph) is too fast.



Do not drive it over inclines and obstacles such as cables and thresholds (elevator entrance). If this is necessary, do it slowly and with a minimum of two persons.



Be aware: a heavily loaded Infusion Pole always has a certain brake path. Take this into account!



If you plan to move backwards, watch out that you do not become trapped between the Infusion Pole and obstacles.

Usage of the Infusion Pole



The equipment on the Infusion Pole needs electricity to be able to function. In most cases the Infusion Pole is equipped with a 5 metre mains cable for this. Do not lay the mains cable over pathways, and prevent persons from tripping over the cable.



If the Infusion Pole is equipped with arms for medical devices, make sure that when moving the device, the arm does not hit any objects or persons. Also make sure the connected leads are not pulled.



For stability reasons the castors of the Infusion Pole are placed outside the Infusion Pole body. Be aware of the trip hazard.



If any component on the Infusion Pole is missing or damaged, the Infusion Pole must not be used.



The power system is designed for power Infusion Pole mounted equipment only. Do not connect equipment that is not mounted on the Infusion Pole into the power system outlets. Do not connect equipment that is mounted on the Infusion Pole directly a power source that is not mounted on the Infusion Pole.



The supplied 5 meter (16,5 feet) long power cord is rated for medical use. Always connect power plug to a medical grade outlet to ensure grounding protection, and always connect the equipotentiality plug to a valid equipotentiality terminal before use.



Inspect the power cord before each use. **DO NOT USE THE CORD IF DAMAGED.**



DO NOT plug more than the specified number of watts into the power strip.

Flexx one manual

Installation, operation and use



Fully insert the power cord plug into the outlet. DO NOT unplug by pulling on cord.



DO NOT remove, bend or modify any metal prongs or pins on the plugs of cord.



DO NOT use excessive force to make connections.



Keep power cord, power strip and internal power cords away from water or other liquids. DO NOT PLUG CORD INTO OUTLET IF WET.



DO NOT OPERATE POWER SYSTEM IF WET.



DO NOT OPEN ANY PART OF THE POWER SYSTEM. Unauthorized personnel opening the power system may cause injury or death.



DO NOT drive, drag or place objects over the power cord. Do not stand or walk on the power cord.



EQUIPMENT not suitable for use in the presence of a FLAMMABLE ANESTHETIC MIXTURE WITH AIR or WITH OXYGEN OR NITROUS OXIDE.

Setting up the Infusion Pole



Optimize the stability when the Infusion Pole is equipped with arms and/or heavy devices. If possible mount heavy devices as low as possible and avoid placing heavy devices on an attached arm.



When installing cables, store the cables into the cable channels and make sure the cables are long enough to move around the joints. This prevents damage to the cables during use.



After completing the set-up, make sure that the Infusion Pole meets the tip-test requirements as stated in the UL/IEC 60601-1 standard (10° floor angle for transport, 5° floor angle when not moved).



When installing gas cylinders, place them low on the front side on the Infusion Pole. Keep at least 30cm distance between the regulator and any electrical plug or power switch.
BE AWARE THAT POSSIBLE LEAKAGE OF OXYGEN CAN LEAD TO EXPLOSION HAZARDS!

Cleaning the Infusion Pole



First switch off all the equipment on the Infusion Pole. The mains cable which provides electricity must be removed from the plug point. This prevents you getting an electric shock.



The Infusion Pole may only be cleaned with a slightly damp cloth with a non-aggressive mild (household) cleaning agent. Do not use abrasive cleaners, solvents, polishers, waxes or steam cleaning tools.



Never use aggressive solvents such as alcohol, thinner or salt to clean the car.

Flex one manual

Installation, operation and use



The Infusion Pole is equipped with an integrated electrical installation. Therefore do not use liquids, this could lead to dangerous situations and breakdowns.

Maintenance



Regularly check that the Infusion Pole is working properly. If you notice irregularities, have them checked by a qualified person.



Technical maintenance must always be carried out by qualified personnel.



The Infusion Pole must be checked at least twice a year by authorized technical personnel. Important points are: check for wear and tear, check screws and welding

4 Construction of the Infusion Pole

A Infusion Pole is a basis to assemble a customer specific configuration. The starting point is the basic Infusion Pole, as shown alongside.

The basic Infusion Pole can be extended with accessories such as a holders, baskets, holders for gas cylinders, etc. Furthermore the Infusion Pole is equipped with a standard electrical installation.



4.1 Electrical installation

The basic Infusion Pole can be equipped with an electrical devices. The Infusion pole provides includes 8 power outlets with earth equalisation sockets, a green power light on top of the pole and a cable channel at the front side of the pole. The power inlet is located underneath the undercarriage. As an option a 5 metres (16,5 feet) mains cable is connected to this inlet.

5 Installation

It is very important for durable and safe use that the Infusion Pole is made ready for use and maintained in the correct way.

The actions described in this chapter must be carried out before the Infusion Pole can be used.

5.1 Control

1. Check whether the Infusion Pole and accessories delivered correspond to your order.
2. Check whether the delivered goods have arrived without damage.
3. Claims must be made within 5 business days after receiving the goods.

5.2 Making the IV-Pole ready for use

1. Check whether the wheels are fixed on properly and tighten them if necessary.
2. After all the parts have been fixed in the correct places you should check that all the bolts and adjusting screws have been tightened properly.
1. Attaching accessories to the outside of the Infusion Pole can influence the balance negatively and is at your own judgement and responsibility. Please feel free to contact Jansen Medicars for advice.

6 Maintenance and inspection

With regard to the safety of the user and his surroundings it is of great importance that the Infusion Pole is always in a good technical state. After all, a set-up (Infusion Pole and equipment) is heavy. Unnecessary risks can occur through incorrect use and poor maintenance.

To exclude risks as much as possible, Jansen Medicars advises that the Infusion Pole should be inspected a minimum of twice a year for defects and loose bolts (castors, brackets, arms, etc.). Only authorized technical personnel may execute maintenance to the Infusion Pole (with reference to the terms and conditions of sales of Jansen Medicars). Never work on the Infusion Pole when you do not have the required knowledge and competence. If you have a technical service: they must have proper documentation and tools available to perform this maintenance.

Jansen Medicars cannot be held responsible for damage, consequential damages and injuries caused by incorrect use/treatment or by negligent maintenance.

P.O. Box 49
3600 AA Maarssen
Netherlands

Tel. +31 30 2613500
Fax. +31 30 2616714
URL www.medicars.com



D00.04.02