Ambix® nova

Designed for life

User guide

Ambulatory pump, giving set and accessories

Calea
the heart of homecare

FRESENIUS KABI
caring for life

Welcome to Ambix nova

Calea
the heart of homecare

Ambix nova has been chosen by your team of healthcare professionals as a user-friendly solution that provides optimal safety and simple infusion at home.

While your Homecare nurse will have explained the relevant information you need for your specific treatment and pump, this booklet supports those instructions and your use of the Ambix nova pump. Please refer to the instructions for use (IFU) for full instructions.

What will be in the box

- Pump
- Smart holder power
- Mains lead
- Instructions for use
- Quick reference guide

Before connecting

Charge the battery for at least six hours: pump has a minimum battery life of 24 hours at 25 mL/h

Prime the line, as you were shown in your nurse training

Servicing and support

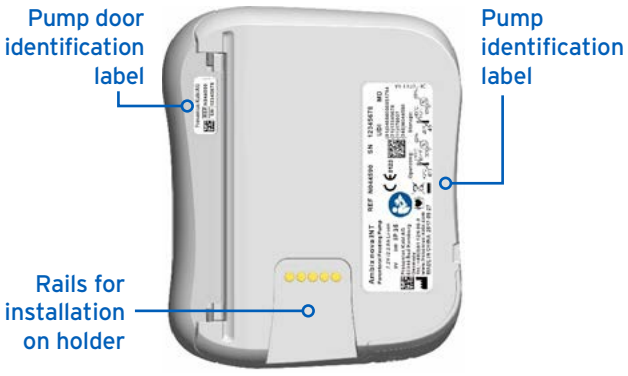
If you have any issues whilst using your Ambix nova pump, you can use the troubleshooting guide within this booklet. If you cannot solve your issue, please call the Freephone 24-hour advice line on **0800 121 8300.**

Please see the back of your pump for the date of your next service. The Calea Patient Services team will be in touch a few weeks before this date to arrange the pump service.

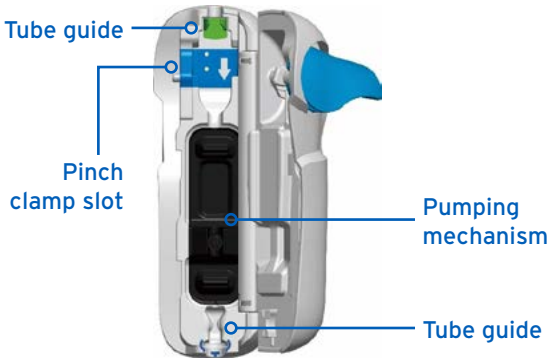
Ambix nova pump

- Alarm silence
- Keypad lock
- Menu
- Mains supply (LED icon below word 'nova' which goes green when connected)
- Switch the pump on
- Jump to another parameter/next option
- Adjust parameter values keys
- Start the pump
- Stop the pump or silence the alarm
- Priming

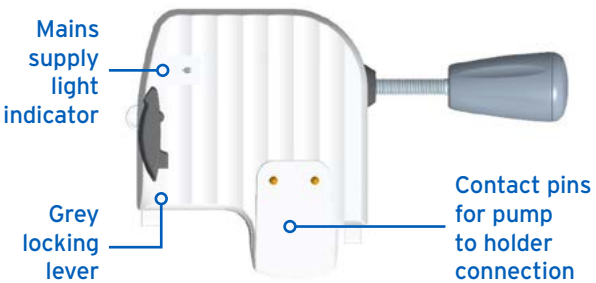
Pump Back



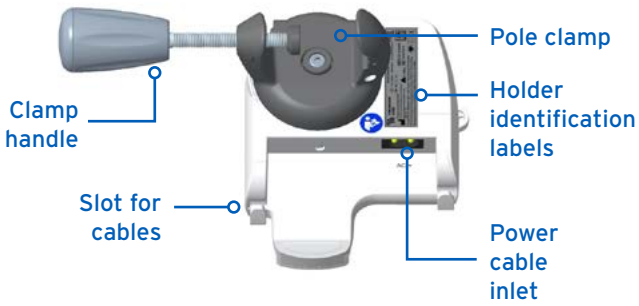
Pump Side



Smart holder power Front



Smart holder power Back



Ambix nova giving set

How to install & remove your Ambix nova giving set

Installing the set

- Open the door with the lever
- Match the green part of the Ambix nova giving set to the green part of the pump – make sure the foot of the clamp is facing outwards
- Match the blue top of the anti-kink tubing on the Ambix nova giving set to the blue part of the pump
- Close the door and push the lever back into place

Removing the set

- Stop the pump by pressing STOP
- To turn off the pump you need to press ON/OFF for at least 3 seconds
- The pump will count down 3...2...1...off
- Open the pump door
- Remove the Ambix nova giving set
- Dispose of the set following the correct procedure, as advised in your nurse training

How to use your Ambix nova pump

- Switch the pump on using the ON/OFF button
- Press MENU to choose the correct mode (please see relevant mode pages for more information)
- Check that the settings match your prescription or change to make sure they match
- Start the infusion using the START button
- Stop the pump using the STOP button
- Press the MENU button to retrieve the last volume of fluids infused
- Press the MENU button and hold for 3 seconds to zero the volume infused, if required
- Use the alarm silence button or press STOP to silence the alarm

To select your infusion mode, press MENU before commencing infusion

Select the infusion mode icon, which looks like this: and validate by pressing the green button to enter the infusion mode selection menu

Select the required infusion mode and press the green button

How to set your specific mode

Flowrate only

Allows only one setting to be adjusted – flowrate

1. Select flowrate only mode: mL/h
   Use the arrow keys ▲ ▼ to select and green button ◆ to OK
2. The flowrate can be adjusted using the ⊕ ⊖ keys
3. Press START ◆ to start the infusion
4. Monitoring screen will show infused volume
5. Press MENU ⓘ for more infusion information

Continuous

Enables continuous infusion at a pre-set flow rate, volume and duration

1. Select flowrate only mode:
   Use the arrow keys to select and green button to OK
2. The flowrate can be adjusted using the ⊕ ⊖ keys
3. Press START ◆ to start the infusion
4. Monitoring screen will show infused volume
5. Press MENU ⓘ for more infusion information

Ramp

Enables continuous infusion at a pre-set flow rate, volume and duration

1. Select ramp mode:
   Use the arrow keys to select and green button to OK
2. Programming screen will show volume, ramp up duration, ramp down duration and total duration
3. Adjust according to prescription volume, ramp up duration, ramp down duration and total duration using ⊕ ⊖ keys and arrow keys ▲ ▼ to move between settings. Flow rate will be calculated by the pump
4. Press START ◆ to start the infusion
5. Monitoring screen will show phase, remaining time, infused volume and total volume to be infused
6. Press MENU ⓘ for more infusion information

Alarms & safety features

The Ambix nova pump will provide alarm and pre-alarm information, when needed.

When an alarm occurs, the pump will show a symbol and message and the top left-hand light will flash to indicate the reason for the alarm.

An alarm will also sound – you can press the alarm symbol button to mute the beeping or press STOP to release the alarm and clear the signal.

Lights

Green light for pumping indication (not alarm)

Yellow light for low priority alarm

Red light for high priority alarm

Alarm system

Low priority

Empty battery pre-alarm:
Battery charge has 30 minutes remaining.

Remedy: Plug the pump into the mains.

End of infusion pre-alarm:
Target volume will soon be reached.

Remedy: Stop the infusion when finished and clean the pump.

High priority

Missing set alarm: Missing set, set not properly installed or wrong set installed.

Remedy: Check and/or reinstall set. If alarm continues, contact your Homecare company.

Door open alarm: Pump door not properly closed or door is removed or faulty.

Remedy: Close the pump door and the lever. Remove the door and re-hang. Contact your Homecare company.

Up-stream occlusion: Upstream flow path is blocked between the container and the pump.

Remedy: Remove the kink, blockages, clamps or air particles.

Down-stream occlusion: Downstream flow path is blocked below the pump at the patient side.

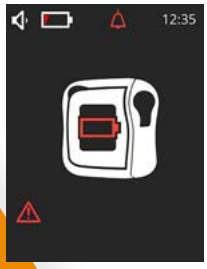
Remedy: Remove the kink, blockages, clamps or air particles.

Empty bag / air in line alarm: Infusion container is empty or air in the set.

Remedy: Stop the infusion / change / check the bag and Ambix giving set. Prime the Ambix giving set. Clean the pump.

End of infusion alarm: Infusion is finished and the target volume is reached.

Remedy: After the infusion has finished, clean the pump.



Empty battery alarm: Battery is almost empty.

Remedy: Plug the pump into the mains.

Technical alarm

Remedy: Switch the pump off and contact your Homecare company.

Accessing history menu

1. Press MENU ⓘ
2. Choose History: 📖 Use the arrow keys ▲ ▼ to select and green button to OK ◉
3. Press Start/OK button ◉
4. Choose the item you need using the arrow keys ▲ ▼ to select and green button to OK ◉
5. Press Start/OK button ◉ to view the information

How to clean your pump

It is important to clean your pump:

Before connecting it to the mains

When fluids or drugs come into contact with the pump

At least once a week using the recommended cleaning and disinfection products (detailed in the IFU)

Instructions for cleaning

- **STEP 1**
  Thoroughly wipe down all surfaces of the pump from top to bottom
- **STEP 2**
  Gently wipe down the mechanism and sensor area using a ready-to-use wipe
- **STEP 3**
  Use cotton wool to clean contact pins
- **STEP 4**
  Remove the pump door then repeat Step 1 with the pump door and holder
- **STEP 5**
  Wipe down the power cord
- **STEP 6**
  Allow the device to dry completely at room temperature. Re-install the pump door before use

WARNING

- Do not submerge the pump in water or any other liquid. If this happens, contact your homecare company
- Do not use in the dishwasher
- Do not sterilise the pump

Ambix nova: a complete solution

Battery life:
minimum of 24 hours at 25 mL/h

Charging:
6 hours with pump off

Flow rates:
Min 1 mL/h and Max 600 mL/h

Power consumption:
maximum 9W in standard operating conditions

Safe to take through security scanners

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