

CAREPATHrx™

Specialty Pharmacy & Infusion Solutions

Eitan Medical Sapphire Pump

2023

Sapphire Pump

Tubing change

- Intermittent – every 24 hours
- Continuous (closed system) – dependent on pharmacy policy (daily, QOD, M-W-F, Q72 hours)

Allow medication to warm to room temperature for 2-4 hours, as noted on the Plan of Treatment.

Powered Internal Rechargeable Battery

- Plug in pump for 6 hours each day to fully charge rechargeable battery
- External Power Pack with 6 – AA batteries for emergency use.

Passcode: 8880

Click: Repeat Infusion

- Do not select: Start New Infusion
- **Start New Infusion** requires the passcode, and you will need to set the pump parameters

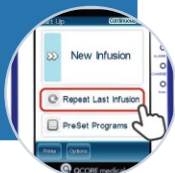


Rechargeable internal lithium battery.

-Charge pump 6 hours each day with AC adaptor.

May use AA with attachable power pack.

Sapphire

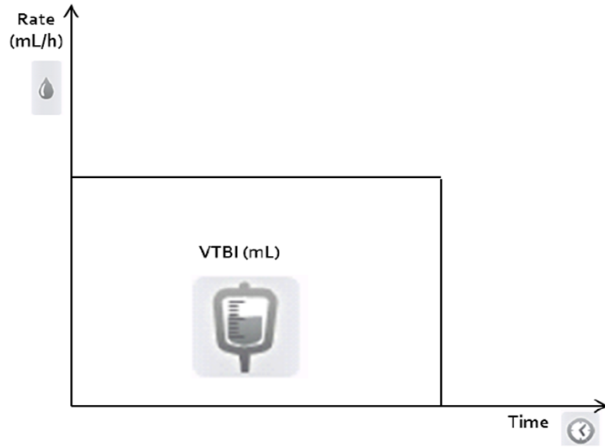


DELIVERY MODES

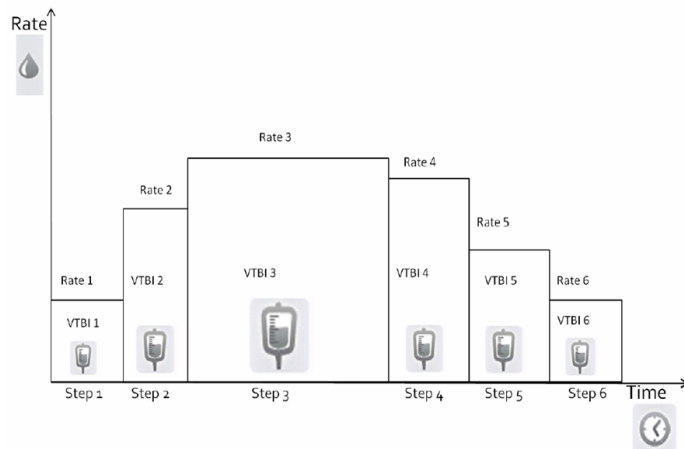
- ❖ PCA Delivery Mode
- ❖ Continuous Delivery Mode
- ❖ Intermittent Delivery Mode
- ❖ Multistep Delivery Mode
- ❖ TPN Delivery Mode



Continuous

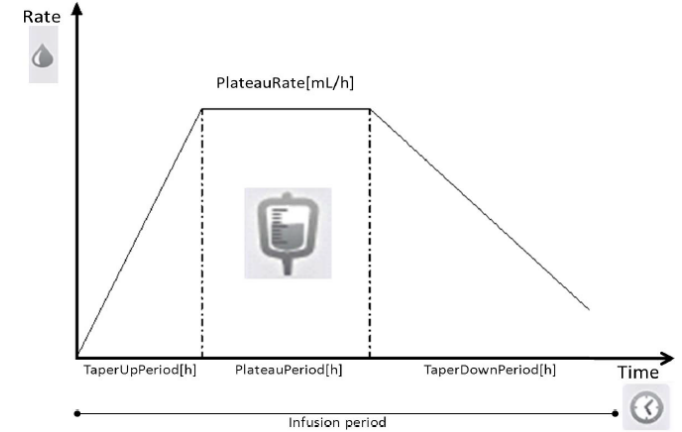


Multi-Step

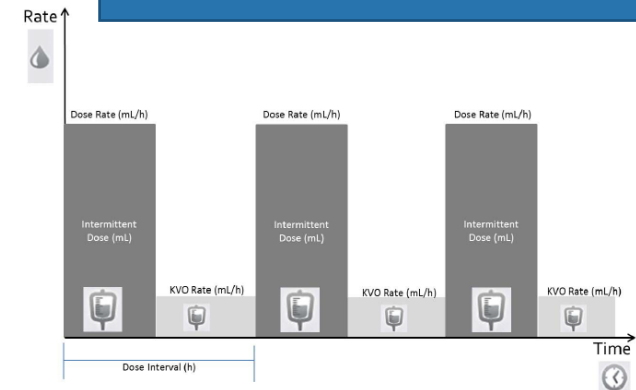


Sapphire Multi-therapy Modes

TPN



Intermittent



Sapphire Pump Overview

Speaker

Color Touch Screen

Power / Bolus Socket



Indication LEDs

Alarm

Active red when an alarm occurs

Charge

Blinks when charging, constant when fully charged

Run

Blinks when pump is running

Door

STOP hard key
Stops the pump (when running)

Pump programming Code: 7770
For titration therapies

Sapphire Pump Tubing

AVAILABLE SETS

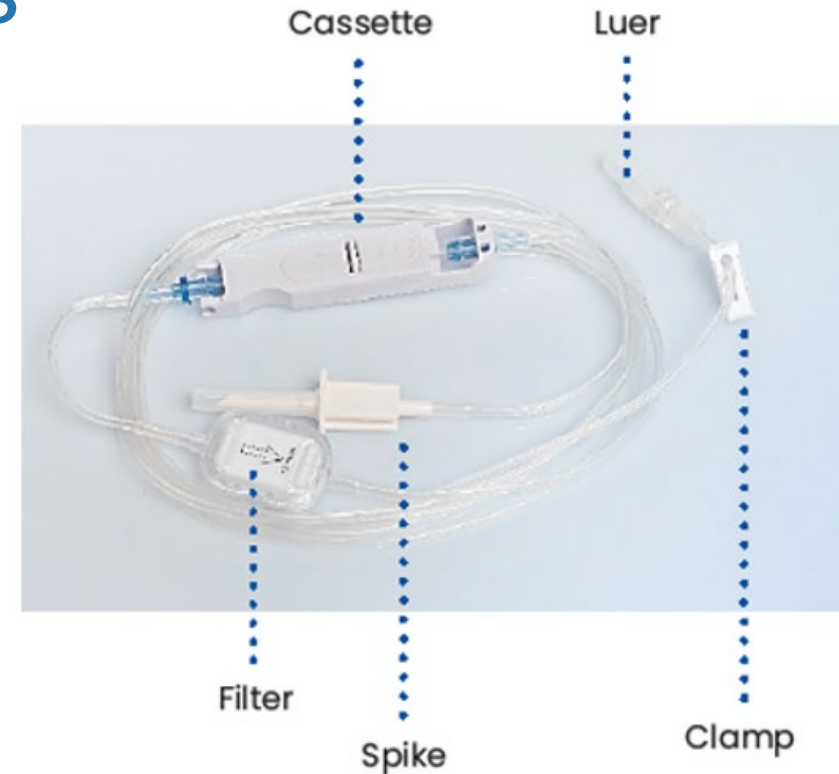
Infusion set with non-vented spike, 1.2 μ filter and needleless y-site

Microbore with non-vented spike, 0.2 μ filter and needleless y-site

Microbore with non-vented spike

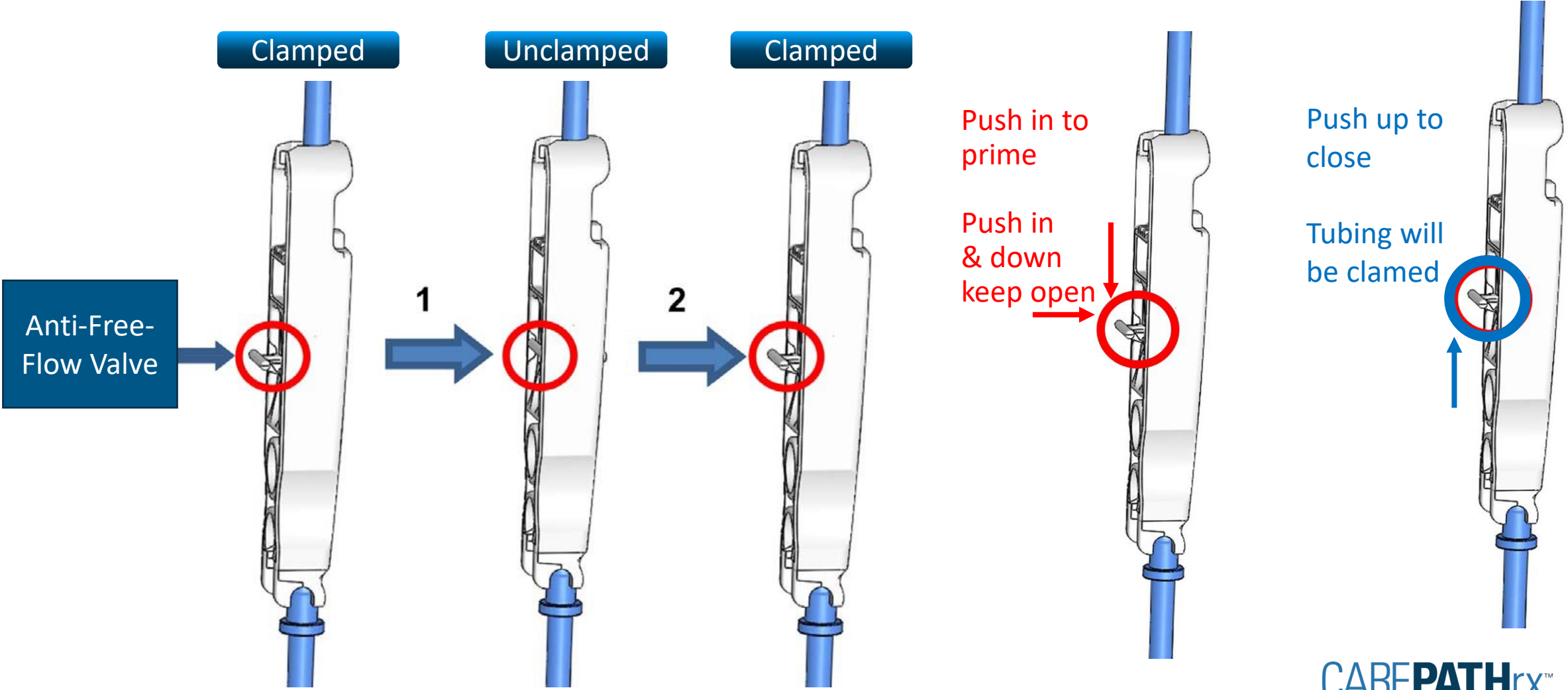
Primary infusion set with vented/non-vented drip chamber, back check valve and 2 needleless y-site

Vented/Non-vented drip chamber



Tubing may contain some or all of these components

Clamping Tubing & Priming Manually



PALL In-Line Filters

An IV-line filter is a membrane in the tubing set designed to prevent particulates and air bubbles from being administered

Filters Components:

- Inlet allows fluid to enter the filter compartment
- Fluid then fills the vented side, allowing air to be removed
- Filter membrane becomes wet and prevents air and particulates to flow through the tubing. Works like a strainer
- Fluid flow to patient side for administration

Proper priming techniques allow the fluid to fill the air-vent side first, then saturating the membrane and before filling the patient side.

- DO NOT INVERT - must be primed upright with beveled site up



PALL® filter

Note:
Filter may be clear or colored.
Color does not affect the filter performance.

Do NOT invert filter for priming. "Arrow" to point up during priming.

Common filter membrane sizes:

0.2 micron

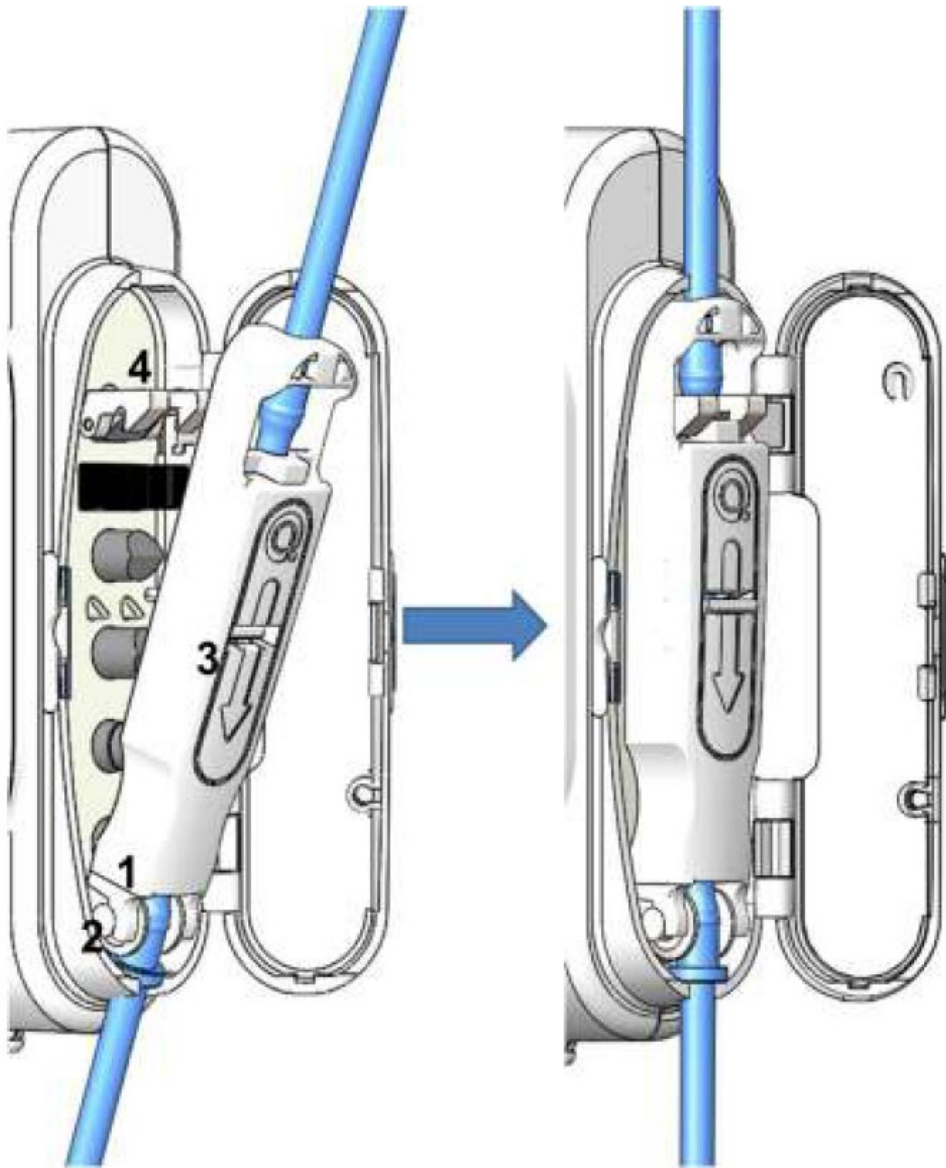
- For medications compounded in the home.
- Most frequently used to filter particulates.

1.2 micron

- Usually for TPN lipids.
- Allows larger molecules to pass to the patient.

Beveled side UP for priming

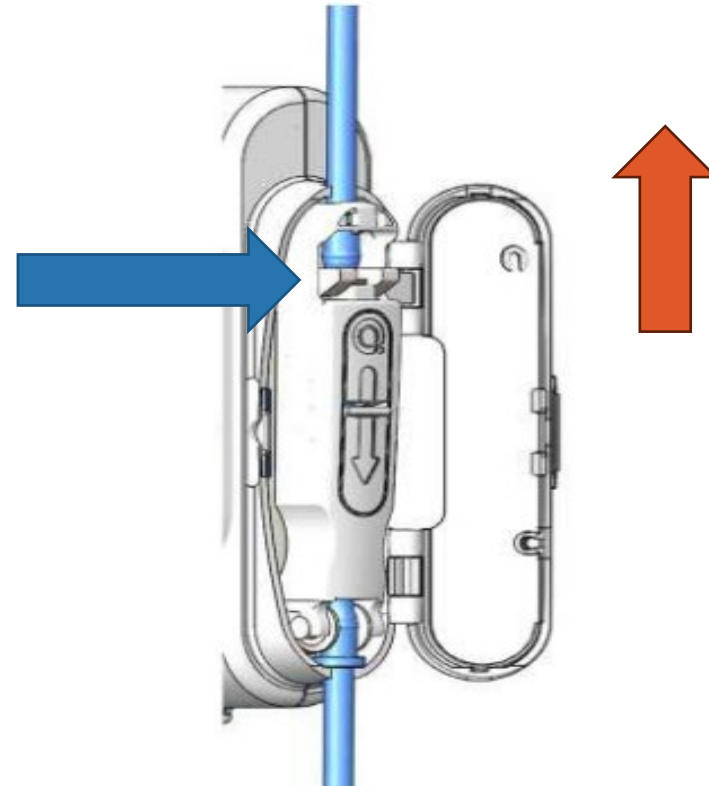




- Open the safety door. Then, insert the administration cassette at an angle, by placing the saddle (**Figure #1**) on the round metal anchor (**#2**) in the cassette's housing. Make sure that the arrow on the cassette (**#3**) is pointing toward the bottom of the pump, and the bottom flange is inside the cassette housing.
- Clip the upper end of the administration cassette into the metal lock (**Figure #4**).
- Close the safety door over the administration cassette. Ensure that the safety door clicks upon closure.

TO REMOVE CASSETTE

Disconnect administration set from the patient, close the clamps and remove administration cassette by raising the **metal lock** that secures it to the pump



Sapphire Pump

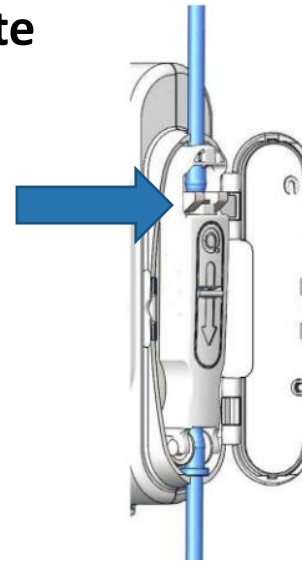
STOP THE PUMP

Press **STOP**



TO REMOVE CASSETTE

Disconnect administration set from the patient, close the clamps and remove administration cassette by raising the **metal lock** that secures it to the pump



TURN OFF PUMP

To turn pump off, press and hold **ON/OFF** button for 5 seconds

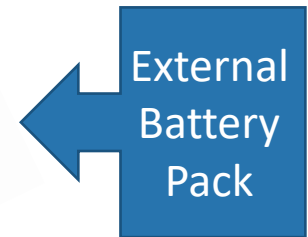


Sapphire Pump

Powered by an Internal Rechargeable Battery

- Plug in pump for 6 hours each day to fully charge rechargeable battery

External Battery Pack with 6 – AA batteries for emergency use only.



Pole Mount with Mini Cradle

Attaching Sapphire Connect to Mini-Cradle



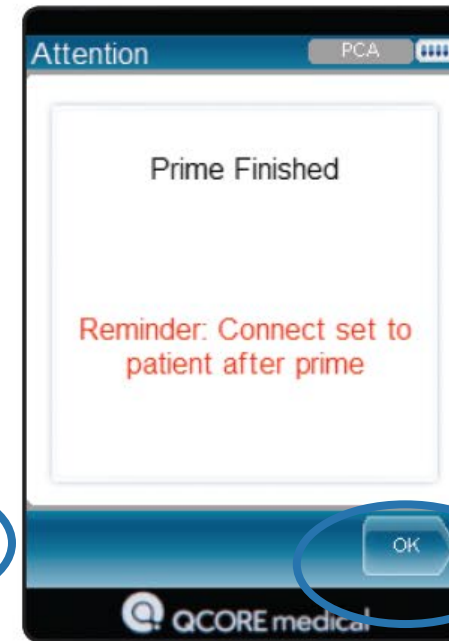
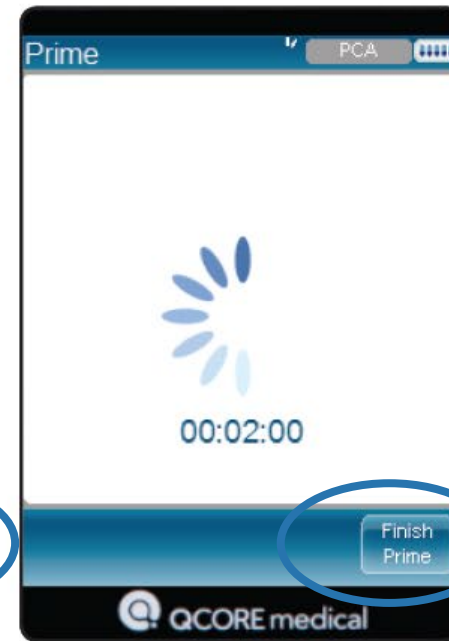
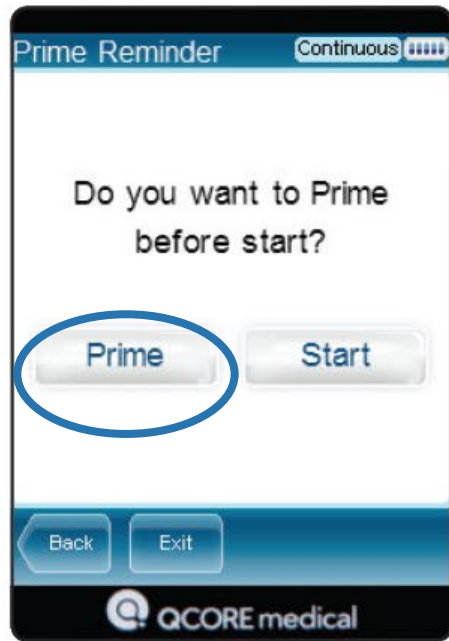
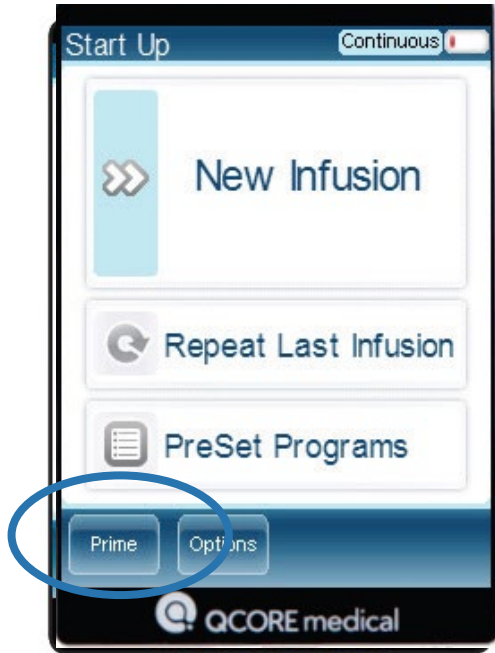
Horizontal or Vertical mount
Pull the cradle away from the pole clamp and twist to rotate



Removing Sapphire Connect from Mini-Cradle



PRIMING THE SAPPHIRE SET



1. Before / after programming

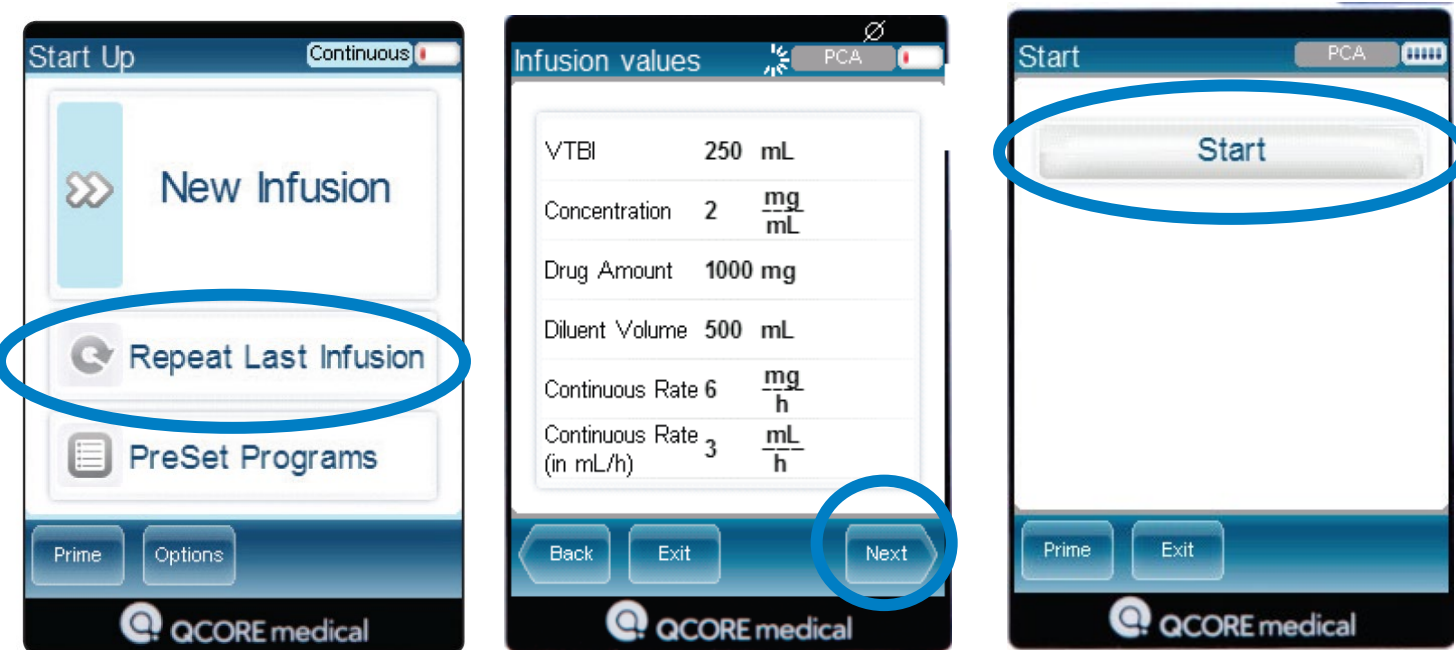
2. Disconnect the set from the patient

3. Priming starts, countdown time is displayed

4. Prime ends., confirm with OK. Repeat until all air is discarded

Starting the Infusion

Review pump parameters



Repeat Last Infusion

1. Select Repeat Last Infusion
2. Review and confirm the program
 - 2a. Prime the set if not already primed
3. Press Start to start the infusion

Adjusting Pump Parameters for Titrated Rates



1 Prime now or after programming

2 Enter password **7770** and OK to adjust the pump parameters

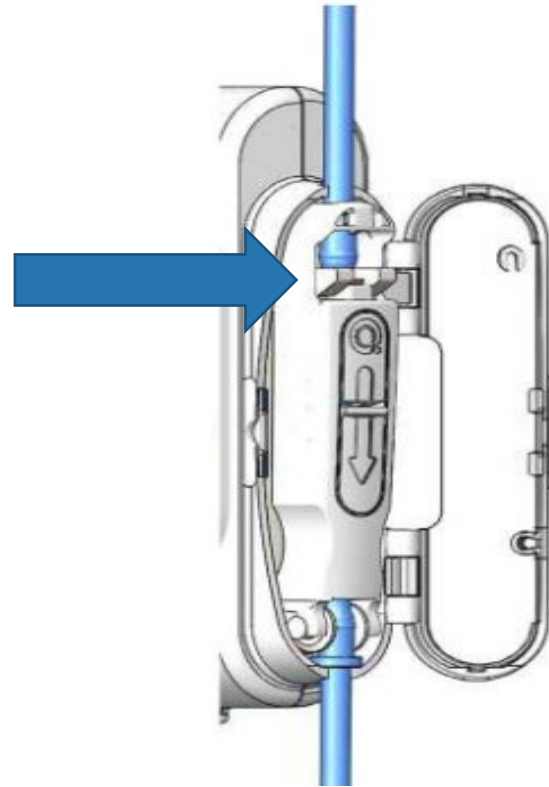
4 Program 2 of the 3 parameters. The 3rd parameter is calculated by the pump

5 Confirm the infusion program or press **Back** to change its details

6 Prime now or start the infusion

TO REMOVE CASSETTE

Disconnect administration set from the patient, close the clamps and remove administration cassette by raising the **metal lock** that secures it to the pump





Welcome

to Eitan Medical Academy



Online Training Academy w/ certificate

- [Log in | Eitan Medical Academy \(learnupon.com\)](#)
- To register: [Contact Us - Eitan Medical](#)

Patient education guides

- [64.-Sapphire-Pump-Administration-Process.pdf \(carepathrxllc.com\)](#)

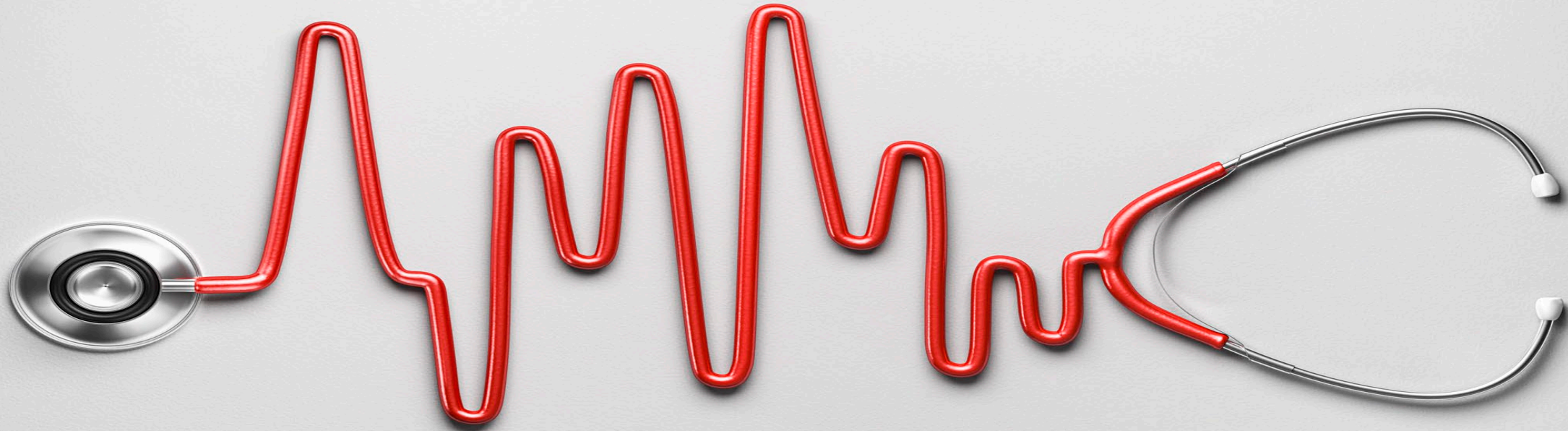
Instructional video

- https://youtu.be/ZoBjMD_G6eY?list=TLGGu0ZG3X0Q3DcwNzA3MjAyMw

Troubleshooting video

- https://youtu.be/5tNDR_U90ZA?list=TLGGTlzwDuDkYQcwNzA3MjAyMw





Please reach out with questions or for information on additional training opportunities.

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