PATIENT CARE AMERICA

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sigmaspectrum

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IV SET LOADING

1- Hang IV container, leaving 61cm (24 in) between the top of the container and the center of the Pump. *See Figure 1.*

2- Slowly gravity prime the IV set, removing all air from Y sites and backcheck valves.

3- Position and close the roller clamp on the IV set 30.5-35.5 cm (12-14in) below the Y site. If there is no upper Y site, close the roller clamp 45.7-50.8 cm (18-20in) below the drip chamber.

4- Press **ON/OFF** key or insert the **BLUE** slide clamp into the keyhole to turn on the Pump.

5- Close the slide clamp (with the tear drop cutout pointing down) and insert it into the keyhole at loading guide **1** at the top of the Pump and press down until the door opens. *See Figure 2.*

Inserting the slide clamp correctly is the only way to open the Pump door.

6- Load the primed IV tubing into the Pump from the top to the bottom as illustrated. Starting from the slide clamp at loading guide **1,** proceed in order through loading guides **2, 3** and **4**. Trace the IV line from the container to the Pump and from the Pump to the patient to ensure correct loading. *See Figure 3.*

The IV set is properly loaded when the screen displays three green bars and check marks as illustrated. *See Figure 4.*

7- To close the door, position your thumbs near the top and bottom edges of the door over the latches and press firmly until the door snaps closed. *See Figure 5.*

8- To open the slide clamp, hold tubing down at keyhole with 2 fingers while pulling the slide clamp up and out. The slide clamp is open when it moves freely on the tubing. *See Figure 6.*

9- Open the roller clamp and confirm that no drops are falling in the drip chamber.

10- Attach the IV set to the patient.

Figure 1.

Figure 2.

Figure 3.

Figure 4.

Closing Door
Figure 5.

Opening Clamp
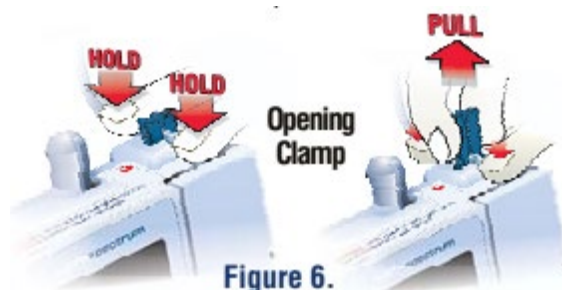Figure 6.

PROGRAMMING THE PUMP
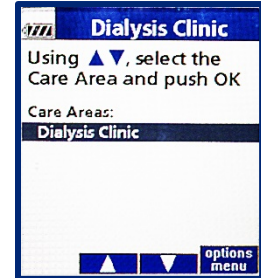
1 - Select Patient
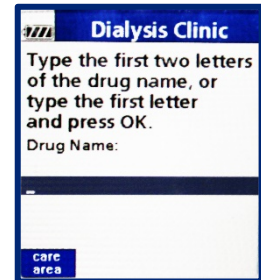Screen will ask if infusion is for a New Patient; press **Yes** or **No.**

New Patient?
Is this a new patient?

Press 'yes' to clear current program.

yes | no

2 - Select Care Area
Select the Care Area – which will be "Dialysis Clinic" and press **OK.**

Dialysis Clinic
Using ▲▼, select the Care Area and push OK
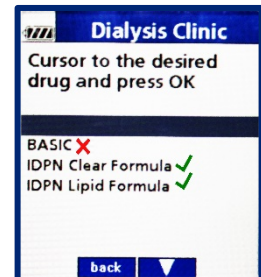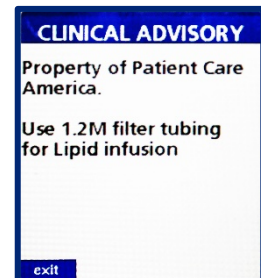
Care Areas:
Dialysis Clinic

▲ | ▼ | options menu

3 - Program a Drug
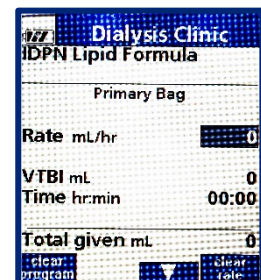Using the keypad, enter the first two letters of the drug's name or press **OK** to list of all matching drug names.

Dialysis Clinic
Type the first two letters of the drug name, or type the first letter and press OK.
Drug Name:

care area

4- Using the arrow soft keys, scroll to the desired drug and press **OK.**
IDPN Clear or *IDPN Lipid* (**DO NOT USE BASIC**)

Dialysis Clinic
Cursor to the desired drug and press OK

BASIC ✗
IDPN Clear Formula ✓
IDPN Lipid Formula ✓

back | ▼

5- Note clinical advisory and press soft key **Exit** or **OK.**

CLINICAL ADVISORY
Property of Patient Care America.

Use 1.2M filter tubing for Lipid infusion

exit

6- Enter values and press **OK** to confirm after each entry.
7- Confirm the slide clamp and roller clamp are open.
8- Press **RUN** to start the infusion.
9- Confirm that there are no kinks in the tubing and that drops are falling in the drip chamber.

Dialysis Clinic
IDPN Lipid Formula

Primary Bag

Rate mL/hr   0

VTBI mL   0
Time hr:min   00:00

Total given mL   0

clear program | ▼ | clear tab

End of Treatment

When treatment is complete, pump alarm will sound. Hit "Silence" soft key & press **STOP** button. If you do not stop treatment, pump will run at 30ml/hr (KVO). Screen will display treatment information.

IV SET UNLOADING

1- Close the slide clamp and the roller clamp on the IV set below the Pump.
When opening the Pump door, use only the slide clamp on the tubing loaded into the Pump to prevent free flow*.*

2- Insert the slide clamp into the keyhole at loading guide **1** at the top of the Pump and press down until the door opens.
3- Remove the tubing by pulling the tubing out and up from the bottom of the Pump towards the top. This ensures the slide clamp will not be inadvertently opened when removed from the keyhole.

TROUBLESHOOTING

Air in Line- Open door and assess tubing. If you can see air bubbles, flick the lines to force bubbles through line. Alternatively, remove line from pump, open clamps and allow IDPN to flow through tubing to move air through line.

Downstream Occlusion- Possible cause(s): line is kinked and/or obstructed. *Correct by straightening or unclamping occlusion. The Pump will correct itself and continue to run.*

Upstream Occlusion- Possible cause(s): tubing above pump is too droopy, excess slack or occluded/obstructed. *Correct by re-positioning/straightening tubing. Hit "Run" button and follow instructions on pump screen.*

Operating Tips

Start with a fresh section of tubing loaded in the Pump. Ensure that there is enough tubing below the Pump for patient movement. The correct IV set loading is confirmed by drops falling in the drip chamber after pressing **RUN** to start the infusion. Confirm fluid flow from IV container to drip chamber to patient. Always press **OK** to confirm entries and changes. Keep the power cord plugged in whenever the Pump is not in use.
Follow all on-screen prompts to clear alarms. Press **silence** soft key (or any key) to silence alarm tone for 2 minutes.

Soft Keys

Clear Program - to clear program (primary or secondary or both)while the Pump is stopped.
Hold - to place the Pump in standby mode.
Info/Settings - to adjust alarm and display settings or to display the information view.
Program Pri/Sec (primary/secondary) - to view the Setup screen when the Pump is stopped.
Rate Change or Dose Change - to change the dose or flow rate without stopping the Pump.
Review - to view infusion information on the Primary Setup screen.
Review/Edit VTBI – to view the Setup screen and to edit VTBI (Volume To Be Infused) without stopping the Pump.