

**SETTING UP THE PUMP FOR INFUSION**

1. **PRIME your IV Set** (according to hospital policy).

a. <b>Clamp OFF 'FLOW PREVENTER CLAMP'</b>	<b>3-3b</b>
b. <b>Clamp OFF 'Roller Clamp' or 'Slide Clamp'</b>	
c. <b>DO NOT STRETCH</b> the <b>SILICON SEGMENT</b> of the <b>IV SET</b>	<b>3-3e</b>

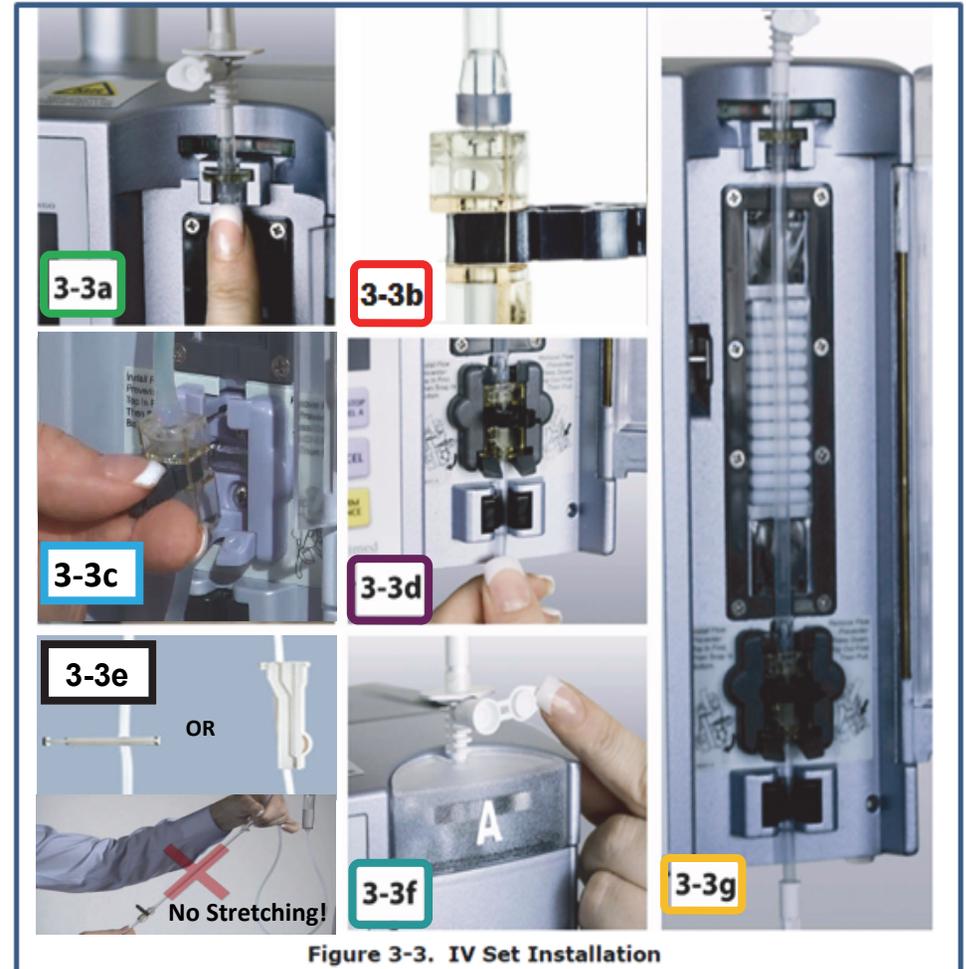
2. **'TURN ON' the pump by pressing the purple button on the bottom left.**

3. **OPEN the Door by 'Pushing Down' on the button and 'Pulling Up' on the handle.**

4. **LOAD the IV Set** into the Pump Chamber.

a. Place the round disk in the <b>'disk slot'</b>	<b>3-3a</b>
b. Verify the <b>'FLOW PREVENTOR CLAMP'</b> is clamped all the way off and not simply flush.	<b>3-3b</b>
c. Insert the <b>'FLOW PREVENTOR CLAMP'</b> by pushing down on the spring-loaded platform and in towards the pump. Once installed <b>'DO NOT'</b> push on the <b>'FLOW PREVENTER'</b> as this will open the clamp and fluids may flow.	<b>3-3c</b>
d. Position tubing through the <b>'Air in Line' (Bubble) detector.</b>	<b>3-3d</b>
e. Verify that tubing is aligned properly in the pump Chamber.	<b>3-3g</b>
f. <b>CLOSE THE DOOR</b>	
g. <b>OPEN</b> all clamps / vent caps. There should be no flow in the drip chamber of the IV set or bubbles in the syringe. <b>IF</b> present then clamp off the IV tubing and re-install.	<b>3-3e/f</b>

5. **PROGRAM the Infusion.....see back of card.**



**Figure 3-3. IV Set Installation**

**\*KEY THINGS TO REMEMBER:**

**DO NOT STRETCH** the silicone rubber segment of the I.V. Set. When properly loaded, the silicone rubber segment should be taut (without slack) and centered atop the pump's peristaltic "fingers" as pictured above.

**DO not place a 'Stopcock'** between the SYRINGE and PUMP when utilizing the 'Syringe' IV infusion set as this may result in a 'Bubble Detected' alarm.

**Hospital Extension Tubing** may be added between the MRI infusion set and the patient if more length is required.

Watch our MRidium® Video Training Modules on-line at [www.iradimed.com](http://www.iradimed.com)

**FIRST—TURN ON THE PUMP!**

**1...2...3!**

**SECOND—LOAD THE IV SET!**

**THIRD—PROGRAM THE INFUSION!**

**PROGRAMMING the Dose Rate Calculator**

1	<b>SELECT 'New Patient' 'Drug Library A or Drug Library B'.</b>
2.	Use the <b>'UP or DOWN'</b> arrow keys to scroll thru medications. <b>Press 'ENTER' when you have located the medication of choice.</b>
3.	Primary will be highlighted. <b>Press 'ENTER'</b>
4.	<b>PROGRAM</b> required entries i.e. Dose, Conc, Weight (kg), VTBI and <b>Press 'ENTER'</b>
5.	<b>Open</b> all Roller, Slide or White Vent Caps.
6.	<b>Ready to Start 'A' or 'B'</b> will be flashing in bottom right corner. <b>PRESS</b> the Purple <b>'A' or 'B'</b> softkey to start your infusion.
7.	<b>PRESS 'A' or 'B'</b> to <b>PAUSE / STOP</b> the infusion.
8.	Infusion Complete: <b>CLOSE</b> the Clamps, <b>OPEN</b> the Door and <b>REMOVE</b> the IV set.
9.	Turn <b>OFF</b> the pump.
<b>PROGRAMMING A BOLUS</b>	
1.	Press the white softkey adjacent to <b>'BOLUS'</b> .
2.	<b>DOSE</b> will be highlighted: <b>Enter Dose</b> value and <b>PRESS ENTER</b>
3.	<b>'Ready to Start 'A' or 'B'</b> will be flashing in bottom right corner. <b>PRESS</b> the Purple <b>'A'</b> or <b>'B'</b> softkey to start your infusion.
4.	Once the Bolus has started to infuse you will note: Bolus A or Bolus B on the display screen. Once the Bolus has infused a long <b>'Beep'</b> will sound and the infusion will revert back to the primary settings.



**IMPORTANT:** Refer to the mRidium® 1138 Operation Manual for further instructions.

**PROGRAMMING BY RATE AND VOLUME**

1.	<b>Turn 'ON'</b> the pump <b>Load</b> the IV Set Tubing <b>Select</b> 'New Patient' (Rate Mode)
2.	<b>RATE</b> is highlighted: using the keypad enter the rate of infusion and press <b>'ENTER'</b> .
3.	<b>VTBI</b> is highlighted: using the keypad enter the volume to be infused and press <b>'ENTER'</b> .
4.	<b>Open</b> all Roller, Slide or White Vent Caps.
5.	<b>'Ready to Start 'A' or 'B'</b> will be flashing in bottom right corner. <b>PRESS</b> the Purple <b>'A' or 'B'</b> softkey to start your infusion.
6.	<b>PRESS 'A' or 'B'</b> to <b>PAUSE / STOP</b> the infusion.
7.	Infusion Complete: <b>CLOSE</b> the Clamps, <b>OPEN</b> the Door and <b>REMOVE</b> the IV set.
8.	Turn <b>OFF</b> the pump.

**ALARM MESSAGES**

MESSAGE	Possible CAUSE	RESOLUTION
<b>CHECK DOOR</b>	Possible Free-Flow of IV Fluids	<b>Press 'Alarm Silence'</b> Open door and Check <b>'Free Flow Preventer'</b> to assure it is pulled out to the full stop position.
<b>CLOSE DOOR</b>	Door Latch is open	<b>Press 'Alarm Silence'</b> Close Door latch fully downward.
<b>Bubble Detected</b>	Air detector has detected a bubble.	<b>Press 'Alarm Silence'</b> Evaluate air in set. Open Pump Door latch to remove set. Remove air per hospital protocol. Re-install set. Press <b>START</b> to resume infusion.
<b>Inlet Occlusion</b>	Occlusion between the fluids and pump.	<b>Press 'Alarm Silence'</b> Check administration set. Check to assure that all clamps/vents have been opened.
<b>PT Occlusion</b>	Occlusion between the pump and patient.	<b>Press 'Alarm Silence'</b> Check administration set. Check to assure all clamps have been opened.

