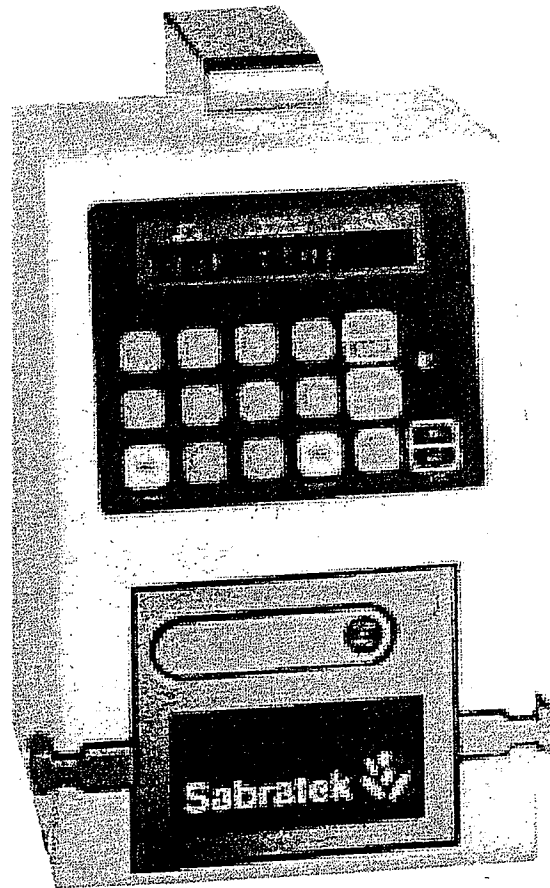


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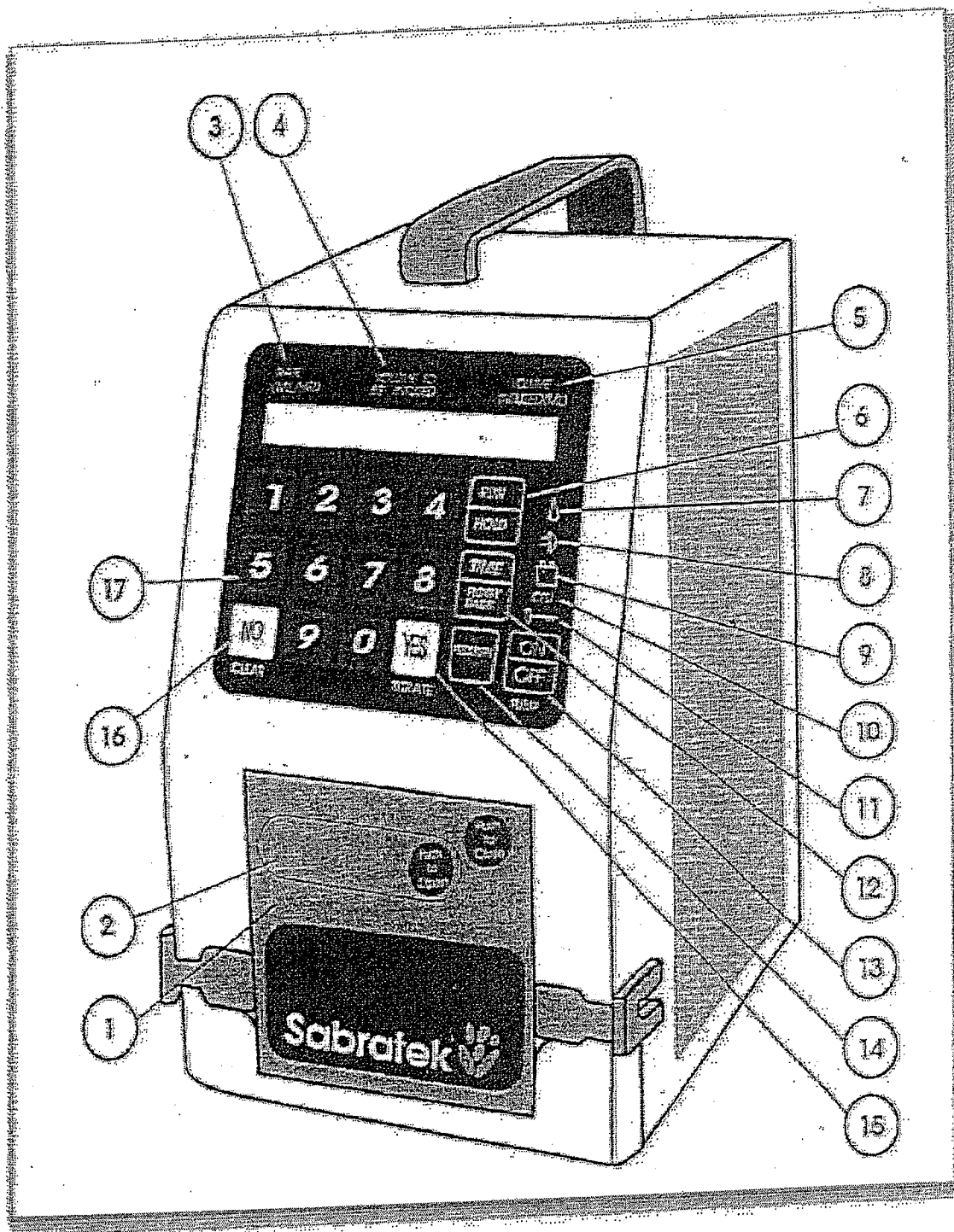
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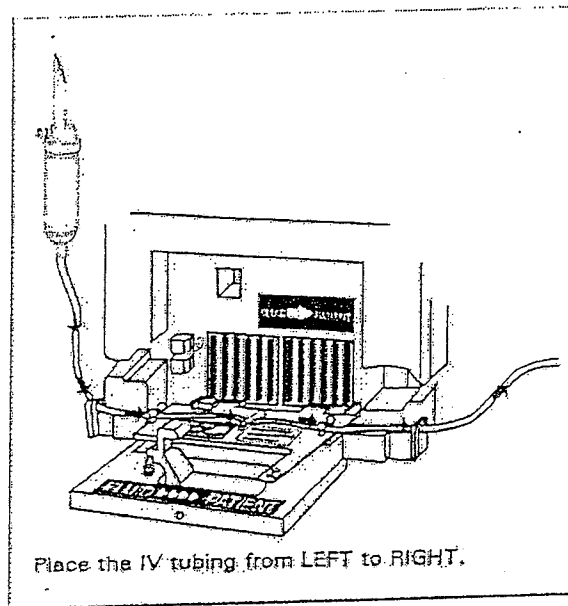


Sabretek Pump Instructions

Sabratek 3030[®] / Outer View...



- 1) OUTER DOOR - Protects the INNER DOOR
- 2) OUTER DOOR LATCH - Opens the OUTER DOOR to give access to the inner DOOR.
- 3) INFUSION RATE DISPLAY - Indicates, in ml/hr, the rate at which the fluid is being delivered by the pump.
- 4) VOLUME-TO-BE-INFUSED DISPLAY- Indicates, in ml, the volume of fluid to be delivered by the pump. During an infusion the flow indicator arrow is located here.
- 5) VOLUME INFUSED DISPLAY- Indicates, in ml, the cumulative volume of fluid which has been infused by the pump.
- 6) RUN/HOLD KEY- Used to start, pause, or restart the infusion, as well as to temporarily silence the audible alarm.
- 7) INFUSION INDICATOR- Flashes when there is a flow of fluid through the drip chamber of the IV administration set.
- 8) LINE POWER INDICATOR - Illuminates when the pump is connected to line power.
- 9) BATTERY POWER INDICATOR - Illuminates when the pump is operating on its internal battery.
- 10) CPU MALFUNCTION INDICATOR - Illuminates when there is an internal malfunction.
- 11) LOCKOUT INDICATOR - Illuminates when the pump's lockout mode is activated
- 12) TIME/PIGGYBACK KEY - Used to indicate the time and the volume-to-be infused that are remaining until the end of the infusion. Also, it is used to access the Piggyback mode.
- 13) ON/OFF KEY- Used to turn the pump on or off.



Pump setup with a primary or standard IV administration set:

- 1) Prepare the IV solution container and prime the IV administration set according to the instructions provided on the IV administration set package. Make sure that the drip chamber is approximately one-third full and that there is no air in the set. Close the downstream (lower) roller clamp.
- 2) Hang the IV solution container so the container's bottom is approximately 14''- 20'' above the pump.
- 3) Open the OUTER DOOR of the pump by pushing on the red label marker PUSH TO OPEN located on the right-hand side of the OUTER DOOR LATCH. Swing the OUTER DOOR down.
- 4) On the lower, right-hand corner of the INNER DOOR, place your thumb on the blue label marker PUSH TO LOAD to open the FREE FLOW CLAMP. Slip the IV administration set tubing UNDER the FREE FLOW CLAMP, in the direction of the flow direction arrows, and position the tubing in the TUBING GUIDES. Release the pressure on the INNER DOOR. The tubing will be firmly clamped in place without permitting any free flow in the IV set. (See illustration on next page.)
- 5) Swing the OUTER DOOR up and push firmly on the OUTER DOOR until the DOOR LATCH clicks into place.
- 6) Ensure that the FLOW SENSOR is connected to the pump. Its FLOW SENSOR plug must be placed into the FLOW SENSOR jack located on the BACK of the pump.

Sabratek 3030[®] / Alarm Conditions...

Alarm Message	Problem	Solution
Air-in-Line	<p>Air in tubing</p> <p>Upstream roller clamp is closed.</p> <p>IV set is not positioned in the air-in-line sensor.</p> <p>Blockage in upper tubing or in attached peripheral.</p> <p>Air-in-Line sensor malfunction</p>	<p>Expel air according to protocol.</p> <p>Open roller clamp</p> <p>Position IV set in the sensor.</p> <p>Replace the IV set or the attached peripheral.</p> <p>Refer the pump to a qualified technician</p>
Down Occlusn	<p>Lower clamp is closed.</p> <p>Kink in lower tubing, filter, or in attached peripheral.</p> <p>Blockage in lower tubing, filter, or in attached peripheral.</p> <p>IV set is placed backwards in the pumping mechanism.</p> <p>Block in access device.</p>	<p>Open clamp.</p> <p>Straighten the tubing between the pump and the patient.</p> <p>Replace the IV administration set or the attached peripheral.</p> <p>Change the direction of the set.</p> <p>Check IV access device according to protocol.</p>
Malfunction #	<p>An internal malfunction has been detected by the pump.</p>	<p>Switch the pump off then on again. Restart the infusion. If the alarm persists, discontinue use and refer the pump to a qualified technician.</p>

<p>Up Occlusn / Empty Bag (occurs only when the flow sensor is enabled)</p>	<p>Wrong IV set is being used.</p> <p>Solution container is empty.</p> <p>IV set is placed backwards in the pumping mechanism.</p> <p>Upstream clamp is closed.</p> <p>Kink in upper tubing.</p> <p>Inadequate venting of air into the solution bottle.</p> <p>Blockage in upper tubing or in attached peripheral.</p> <p>Flow sensor placed below the fluid line of the drip chamber.</p> <p>Flow sensor not connected to flow sensor jack in the back of the pump.</p> <p>Flow sensor malfunction.</p> <p>Misalignment of the flow sensor on the drip chamber.</p> <p>Flow sensor on the wrong drip chamber during a piggyback infusion.</p>	<p>Check compatible sets listings. Change IV set or choose a different administration setting.</p> <p>Replace with a full solution container.</p> <p>Change the direction of the IV set.</p> <p>Open clamp.</p> <p>Straighten the tubing between the pump and the patient.</p> <p>Provide proper air venting for the IV solution bottle.</p> <p>Replace IV administration set or the attached peripheral.</p> <p>Raise the position of the flow sensor on the drip chamber.</p> <p>Firmly insert flow sensor plug into flow sensor jack.</p> <p>Replace the flow sensor.</p> <p>Reposition the flow sensor to a level position.</p> <p>Place the flow sensor on the drip chamber of the solution to be infused.</p>
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7) Attach the FLOW SENSOR to the IV set's drip chamber by pressing both ends of the FLOW SENSOR towards each other to widen the center opening. Place the FLOW SENSOR on the drip chamber and slide it up until the FLOW SENSOR RISERS are up and against the drip chamber's finger guard. Slowly release both ends of the FLOW SENSOR. Its internal spring will keep it in place on the drip chamber.

8) Open all the IV administration set's clamps and attach the end of the IV set to the patient's access device.

14) **PRESSURE KEY** - Used to set, as well as to indicate, the pressure alarm setting (HI or LOW).

15) **"YES" KEY** - Used to answer the pump's prompts and to accept deliver parameters. (Also used to access titration mode)

16) **"NO" KEY** - Used to answer the pump's prompts, to reject delivery parameters, and to clear the volume infused display.

17) **NUBERS KEY** - Used to enter access codes and delivery parameters.