1. **Temperature**
   - This indicates that the display is registering the **temperature** mode.

2. **Timer**
   - **Timer LED** flashes the preset time (10 minutes unless otherwise changed). The timer will count down to 000, flash and beep for two seconds, then return to the previously stored time (button must be held momentarily, or until they are changed). The device must cool down at least 40° before it will reset. It is advisable to identify previously boiled material in order that it be used prior to newer material.

3. **Boil**
   - When both buttons are pressed at the same time (Up & Down), the boil cycle will start its countdown when the water starts boiling. The timer will count down to 000, flash and beep for two seconds, then return to the previously stored time. The boil cycle is in operation and will remain lit until the boil cycle is complete or is interrupted. The boil LED will turn off when the boil cycle is complete. All water must be removed from the tank or overflows will occur.

4. **Display**
   - When in the temperature mode, this button will illuminate. When in the time or boiling mode, this button increases the module and slide of plastic bag around the plastic casing, leaving the heating element exposed. Clear all components completely. When in the boiling mode, this button will increase the module and slide of plastic bag around the plastic casing, leaving the heating element exposed. Care to avoid getting any water on the plastic case. A soft non-abrasive cloth can be used to avoid leaving any abrasive areas. Use caution when cleaning the small aluminum stud that is on the left of the heating element. Do not move the rod, as any vibration pressure could crash the plastic rod causing a faulty boil mode activated.

5. **3. **Removal**
   - Choose from the following (and carefully follow the manufacturer’s label instructions for exact mixing ratios): 1:213 iodophor or 1:10 sodium hypochlorite 1:2. After ten minutes, the material is available for use, and will remain usable throughout the work week. Be sure to indicate the appropriate tray size on the patient’s chart to eliminate future try-ins.

6. **Gelation**
   - Place the Hydrocolloid, Wash- (Super)Cartiloid materials, or backloading syringes, into the boiling bath with the plastic caps, rubber stoppers, or mushroom assemblies down at 60°C. Storage is limited to five days at 0°C.

7. **Liquification**
   - When the material is in place, fill it first (liquifying) bath with tap water until this level is one half inch below the “lid” line. This procedure will allow the water to reach an active boil and not overflow the tank or interrupt the electronic operations. All suggested Liquifiable Hydrocolloid materials must experience a ten minute hot bath.

8. **Re-liquefaction**
   - This procedure will allow the water to reach an active boil and not overflow the tank or interrupt the electronic operations. All suggested Liquifiable Hydrocolloid materials must experience a ten minute hot bath.

9. **Shaking**
   - Turn the mixer on and shake all contents vigorously. Shake the liquid until it is clear.

10. **Curing**
    - Place the material in the tray and cover with a piece of plastic wrap or saran wrap and store in the refrigerator. The material must be left in the refrigerator for at least 2 hours. The material may be used prior to newer material.

11. **Storage**
    - Choose from the following (and carefully follow the manufacturer’s label instructions for exact mixing ratios): 1:213 iodophor or 1:10 sodium hypochlorite 1:2. After ten minutes, the material is available for use, and will remain usable throughout the work week. Be sure to indicate the appropriate tray size on the patient’s chart to eliminate future try-ins.

D. Remove the impression, rinse it once again under room temperature water, and then proceed with the impression making. Be sure to indicate the appropriate tray size on the patient’s chart to eliminate future try-ins.

**NEW DISINFECTING PROCEDURE BEFORE IMPRESSION MAKING**
- If you are using distilled water you must add some electrolyte to the water. Add a teaspoon of table salt, potassium sulfate, or 2-3 ounces of tap water. If you are using distilled water you must add some electrolyte to the water. Add a teaspoon of table salt, potassium sulfate, or 2-3 ounces of tap water. This will allow the water to reach active boil and not overflow the tank or interrupt the electronic operations. All Suggested Liquifiable Hydrocolloid materials must experience a ten minute hot bath. After ten minutes, the material is available for use, and will remain usable throughout the work week. Be sure to indicate the appropriate tray size on the patient’s chart to eliminate future try-ins.
Many exclusive features have been built into the Dux (Van R) ß-Tron Hydroprocessor. They include:

1. DIGITAL DISPLAYS:
   A. Preset temperatures in the baths.
   B. Actual temperature in the bath is accurate to 0.1°.
   C. Adjustable, automatic timer (audible signal).
   D. Automatic countdown for liquefying procedure.
   E. Alpha display for OFF, Power Failure, and Low Water indicators.
   F. Small indicator light identifying Time mode, Temperature mode, and Liquefaction mode.

2. Automatic Liquefaction eliminates the need to estimate length of time required to reach boiling temperature. The B-Tron is programmed to do it automatically.

OPERATING INSTRUCTIONS

• Place hydrocolloid material in the left bath, fill that bath with water up to an inch from fill line (to account for the boiling room).
• Fill center bath with the same amount of water.
• Fill right bath up to fill line.
• Switch on main power switch (located on the back of the unit at the lower left) to activate. The displays will indicate:

   LIQUEFYING
   STORAGE
   TEMPERING

To liqify the materials, place enough tray and syringes material into the left bath. Press BOIL. The display will flash the preset time of 10. When the water reaches a boiling temperature, the display will automatically start decreasing until 000 flashes and an audible signal is sounded for 10 seconds. Caution should be utilized when opening lid to allow steam to escape. Transfer basket to the center (Storage) bath at this time, and refill the left hand bath to the full line.

After the liquefying cycle has been completed, the materials should be transferred to the center (Storage) bath.

Steps to prepare for the Storage Bath:

1. Turn unit on and set temperatures.
2. Place hydrocolloid material in the left bath.
3. Fill both left and center baths with water up to an inch from fill line.
4. Press the Timer button twice to return to temperature mode. The display will indicate H2O, the compartment will automatically turn off and sound an audible signal until the proper water level is reached. You may either press the CLR button twice to return to temperature mode and the water heater will be heated to the proper temperature.

If H2O continues to display, the water may be too pure, or the sensors may be coated with deposits. Place one teaspoon of Dux (Van R) Electrolytic Freshener in the bath and allow the display to dissipate. Salt may be used in an emergency, but continued use of salt will cause corrosion. To remove any deposits follow the cleaning procedures above.

WHAT IF…….

• LOW WATER INDICATOR FLASHERS.
   Whenever the water level in any bath becomes too low, the display will indicate H2O, the compartment will automatically turn off and sound an audible signal until the proper water level is restored. You may either press the CLR button twice to return to temperature mode and the water will flash for a longer period of time, all material should be re-boiled even if the displays indicate the proper water temperature (usually 65°, unless manually modified) is reached.

Remember, whenever you see the three flashing bars it means that there has been a power interruption. The unit is either heating or maintaining the proper temperatures.

DISPLAY TERMS

OFF
   Bath has been turned off by pressing the OFF button on the display panel of that particular compartment.
   • Display must be in Temperature mode (indicated by the LED temperature light). Press either the UP or DOWN button and hold for two seconds. The display will begin to increase or decrease to the desired temperature.

H2O
   Modules Beep and Flash H2O.
   • If you are using distilled water you must add some electrolyte to the water. If you do not have Dux (Van R) Electrolytic Freshener, add a teaspoon of table salt or 70 ml of tap water.

If H2O continues to display, the water may be too pure, or the sensors may be coated with deposits. Place one teaspoon of Dux (Van R) Electrolytic Freshener in the bath and allow the display to dissipate. Salt may be used in an emergency, but continued use of salt will cause corrosion. To remove any deposits follow the cleaning procedures above.

• There is a power interruption.
   The displays will show three flashing bars. If the power was off for less than 15 minutes, press the CLR button twice to return to temperature mode. It should not be necessary to re-boil the material. If the power was off for a longer period of time, all material should be re-boiled even if the displays indicate the proper water temperature (usually 65°, unless manually modified) is reached.