

Paradise® Pump
PAR30 Config F Alternating Pressure Pump
FUNCTIONAL CHECK INSTRUCTIONS



Read and understand all instructions on the pump and the following safety precautions before beginning any work.

SAFETY PRECAUTIONS

⚠ DANGER

Do not use in the presence of flammable anesthetics. Risk of explosion can result.

⚠ WARNING

Risk of electric shock, do not remove cover.

⚠ CAUTION

- The Functional Check must be performed only by qualified technical personnel familiar with good practice for medical device repair.
- Verify proper operation of the pump. Operation of the pump at less than specified flows and pressures may result in poor or reduced patient therapy.

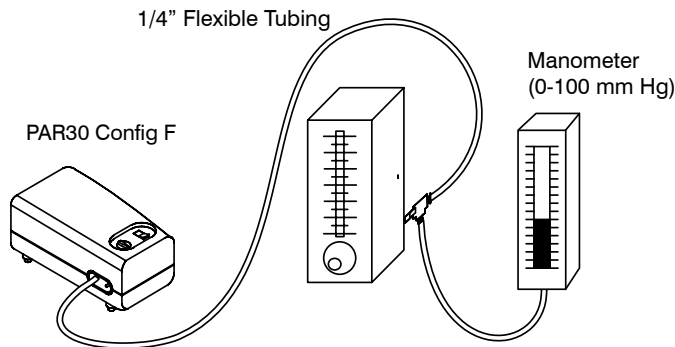


Figure 1—Pressure Test Set-up

DESCRIPTION

These instructions provide a **quantitative** means of determining whether an PAR30 Config F Alternating Pressure Pump can properly inflate its pad. An alternate, **qualitative** means of checking pump and pad performance is to follow the HAND CHECK described in the *Operator's Manual*.

If the pump does not meet these requirements, it should be replaced.

TOOLS REQUIRED

<u>Tool</u>	<u>Description</u>
Manometer	0–100 mm Hg or greater (standard mercury or digital)
Flowmeter	0 to 5 lpm
Tubing	1/4" ID
Functional check Instructions	P/N 100260000

FUNCTIONAL CHECK INSTRUCTIONS

1. Plug in the pump and turn it on. Set pressure control knob to the maximum setting. Allow the pump to operate for at least 1 hour at 120 VAC line voltage before proceeding. When the cycle changes, it may be necessary to change the tube to the flowmeter to the other pump outlet.
2. **Flow Check:** Attach 1/4" ID tubing from the pump to a 'T' fitting on the flowmeter (see Figure 1). Adjust flowmeter adjustment knob until the manometer reads approximately 50 mm Hg, the flowmeter should read at least 3.2 lpm.
3. **Pressure Check:** Close the flowmeter adjustment knob completely. The pressure on the manometer should be 80–110 mm Hg. Set the pressure control knob to the minimum setting. The pressure on the manometer should read 30–45 mm Hg.
4. **Cycle Check:** While the pump is running, the manometer pressure should cycle up and down. When the manometer first reaches its maximum setting, begin timing. A complete cycle will occur after the pressure drops to zero and then rises back to its maximum setting. This time should be approximately five minutes. If cycle time is not five minutes, check for a kinked tube.
5. **Ground Resistance:** Ground functionality can be checked by measuring resistance between the function earth screw (accessed through small hole on back of unit adjacent to the ground symbol) and the grounding pin on the line cord attachment plug. The value shall be less than 5 ohms.

If any of the above values are out of specification, discontinue use and contact your local dealer.

If you have any questions or need assistance, please contact your local dealer or Customer Service at:

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