

OPERATION and MAINTENANCE INSTRUCTION MANUAL

AEU-70A Peristaltic Infusion Pump



ASEPTICO®

Your new AEU-70A Aseptico Surgery Infusion Pump is one of the finest units available to the medical profession. The system features a variable flow control, autoclavable tubing set, and on/off foot switch operation. These features combine to make the perfect irrigation system.

Congratulations

This system is engineered to provide many years of reliable service. Please read the instructions provided in this manual to receive the best and longest service from your Aseptico equipment.

Separate manuals may be provided to cover the operation and maintenance of other accessories for your unit.

PACKAGE CONTENTS

- AEU-70A Electric Control Console
- Power Cord
- AE-27 Autoclavable Irrigation Tubing Set
- AE-7P Foot Control
- Irrigation Bag Hanger Rod
- Operation Manual

SETTING UP THE UNIT:

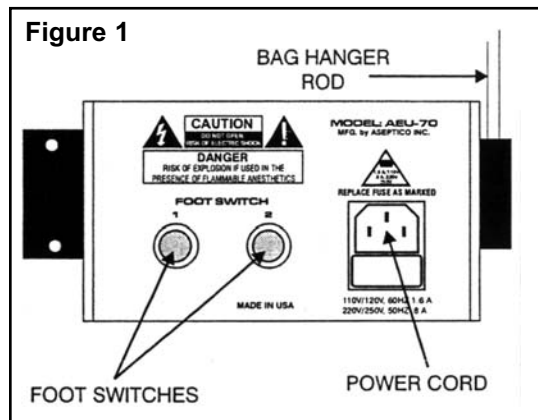
1. Unpack the console and check that the unit voltage is correct for the country of use. Use the 110V Model for 110 - 120V 60Hz voltages, and the 220V Model for 220 - 250V, 50hz voltages. For alternative voltages (220V - 250V), confirm that the type of plug cap is correct for the country of usage and carries the proper certification markings. Correct cord is shipped with the console.
2. Attach the power cord to the back of the console (see Fig. 1) and plug into a grounded electrical receptacle.
3. Attach the foot control(s) to either of the two connectors on the back of the unit marked 'Foot Switch - 1 or 2' (see Fig. 1). An On/Off type foot control is

used.

4. Insert bag hanger rod into holder on the left side of the unit (see Fig. 1). Rotate until it drops into place.
5. Install a sterile irrigation tubing set in pump block as follows:

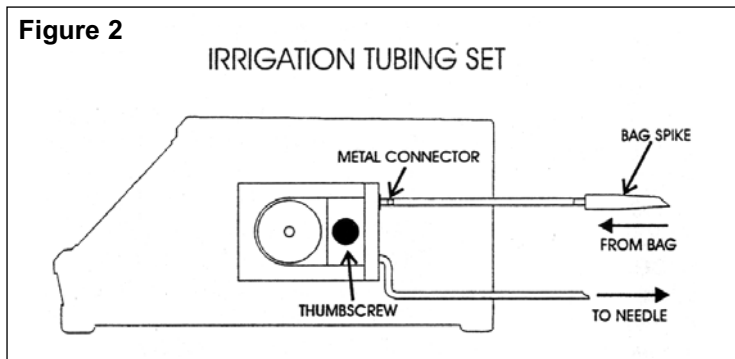
AEU-70A peristaltic infusion pumps are supplied with STEAM ONLY autoclavable silicone tubing. The tubing set MUST be properly installed into the pump for successful operation (see Fig. 2):

- First, remove the clear pump cover by unscrewing the thumb screw on top. Hold the silicone tubing by grasping the metal in-line connector between the



SETTING UP THE UNIT - cont'd:

- Insert the tubing into the slot on top of the pump block, making sure to position the metal connector on the outside edge of the block as shown.
- Guide the tubing around the rollers with slight tension and insert into bottom slot on the pump block.
- While maintaining tension on the tubing, check that the tubing is centered on the rollers and is completely tucked into slots on pump block.
- Replace clear pump cover by sliding it into position from right to left and securing with the thumbscrew. Route the remaining length of tubing to the appropriate output needle for irrigation.
- Remove the protective cover from the irrigation bag and insert the stainless steel bag spike into the I.V. port nipple until it completely punctures the seal. Hang the bag from the bag hanger rod.

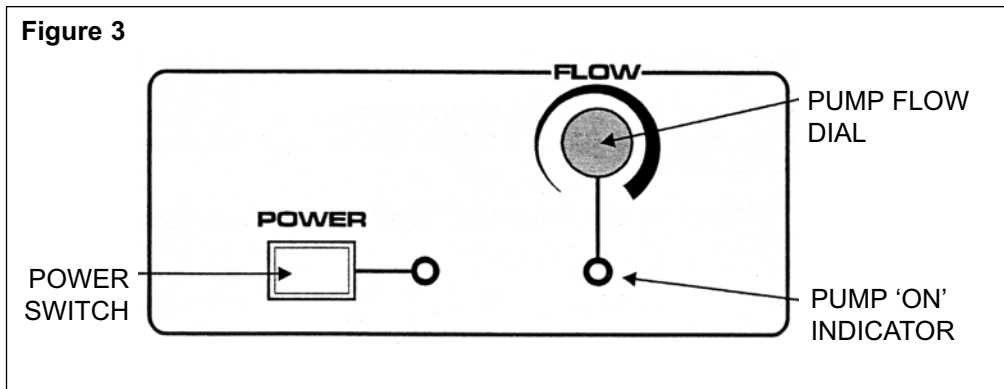


WARNING

Never connect or disconnect the bag spike to the irrigation bag over the console. Any liquid spilled and allowed to contact the AEU-70A may cause irreversible damage and will void the warranty.

OPERATION FUNCTIONS: (Ref. Fig. 3)

- 1. POWER SWITCH** - Controls power on/off to console. When turned on, green L.E.D on console should light up.
- 2. PUMP 'ON' INDICATOR** - Yellow L.E.D. indicates pump in operation.
- 3. PUMP FLOW DIAL** - Increases or decreases the irrigation flow. Turning dial clockwise increases pump speed, thus increasing fluid flow. Turning dial counterclockwise decreases flow. Flow range is from 0-to-350 ml per minute.
- 4. FOOT SWITCH** - Activates pump rotation when unit is turned on and foot switch is attached.



OPERATION:

After the unit has been set up and you have made yourself familiar with the operation functions, you may begin operation as follows:

1. Turn the power switch on the lower left front of the console to the 'ON' position. The power display will light.
2. Route a sterile tubing set through the pump as described in the Setup Section (page 3) and attach the appropriate

needle for the procedure being performed.

3. Depress the foot switch(s) to start pump operation. The pump 'ON' L.E.D. should light to indicate operation.
4. Adjust the flow dial for desired irrigation flow level.

STERILIZATION & MAINTENANCE:

IRRIGATION TUBING SETS -

The irrigation tubing sets can be removed from the pump and may be sterilized by autoclave, chemclave, or ethylene oxide gas processes. Follow the manufacturer's recommended procedure. The entire tubing set should be sterilized after every patient use. Remember to remove the bag of irrigation from the bag hanger rod before removing the tubing set.

NEVER store the tubing sets in the pump for extended periods of time. The tubing may collapse and stick to itself creating a blockage for future uses.

Any external surfaces of the AEU-70A unit that are contacted during use should be carefully wiped down with disinfectant after every patient and at the beginning of each day.

TROUBLESHOOTING:

Problem:	Correction:
Console does not light when turned on:	Check console to power connection. Check that voltage is correct for unit. Check fuse. If blown, replace with 1.6A/25V fuse for 110 volts, & 0.8A/250V fuse for 220 volts.
Console lights when turned on, but pump rotor does not turn:	Depress foot switch to activate. Increase flow control. Check pump tubing for any binding or improper installation.
No water flow from pump to output needle:	Check that pump is on and flow level is sufficient. Check that the water container seal is completely punctured. Make sure the irrigation tubing is properly installed in the pump and flow through the tube is in the correct direction.

WARRANTY:

Aseptico warrants this product against defects in material or workmanship for a period of one year, from date of original invoice. Handpieces are warranted for 90 days under the same conditions. Expendable components such as light bulbs, are covered by shorter warranty periods, or have no warranty. Aseptico's sole obligation under product warranty is (at its sole option and discretion) to repair or replace any defective component or product in part or whole. Aseptico shall be the sole arbiter of such action.

In the event of alleged defect under warranty, the purchaser is to notify Aseptico's Customer Service Department promptly. Customer Service will provide instructions, usually directing that the product be returned for service. Shipment to Aseptico and the cost thereof is always the responsibility of the purchaser.

Accidental misuse, inappropriate installation, or failure to perform directed maintenance voids the warranty.

Aseptico does not assume, under this warranty, any risks or liabilities arising from the clinical use of its products, whether or not such use involves coincidental utilization of products manufactured by others.

NOTE: In the interest of serving our customers more efficiently, customers receiving service on non-warranted repairs are expected to accept charges that are less than \$250.00 without further notification.



P/N: 420420
Rev. B
ECO 11002
03/2005

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