

OPERATION and MAINTENANCE INSTRUCTION MANUAL

AEU-7/AEU-7P Peristaltic Water Pump



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SYMBOL DEFINITIONS:



Type B
Equipment



Dangerous
Voltage



Attention - Consult
Accompanying
Documents

Your new Aseptico Surgery Irrigation Pump is one of the finest units available to the medical profession. The system features a variable flow control, auto-clavable 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.

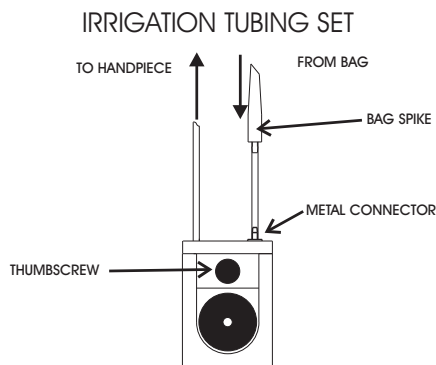
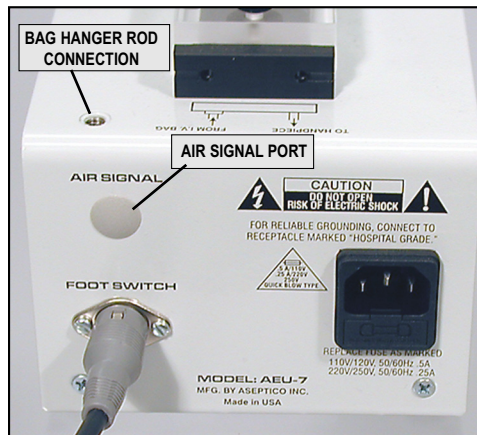
Separate manuals may be provided to cover the operation and maintenance of other accessories for your unit.

PACKAGE CONTENTS

- Electric Control Console
- Power Cord
- Autoclavable Irrigation Tubing Set
- Foot Control
- Irrigation Bag Hanger Rod
- Operation Manual

SETTING UP THE UNIT:

1. Unpack the console and check that the voltage is correct for the country of use. Use the 110V for 110-120V 60Hz voltages, and the 220V 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.
2. Plug the power cord from the back of the console into a grounded electrical receptacle.
3. Attach the foot control to the connector on the back of the unit marked 'Signal Input'. An On/Off type foot control is used.
4. Insert bag hanger rod into threaded hole on the top of the unit. Thread into place about 1/4" and secure with knurled lock nut.
5. **Optional Pneumatic Activation -**
(see picture on pg. 4) Insert tee fitting into drive air side of foot control or handpiece tubing on an air type unit. Connect 1/8" tubing from tee fitting to Air Signal barb located on the back panel of the AEU-7 console. When power is on, pump will operate simultaneously with drive air. (20-150psi signal)
6. **Optional Electric Signal Activation -**
(see picture on pg. 4) Plug one end of the DIN-type Patch Cord connector into the Signal Input port on the back of the AEU-7 console. and the other end into electric handpiece console. Pump is activated by applying 2-50V AC/DC to pins 1&3 on Signal Input. Pins 1&2 or 2&3 may also be shorted with a switch for activation.
7. **Optional AE-7DC Foot Control**
(see picture on pg. 4) Connect one end to footswitch connector on the pump and connect the other end to either an Endo DTC unit or Surgimotor II unit for simultaneous operation.



WARNING

Never connect or disconnect the bag spike to the irrigation bag over the console. Any liquid spilled and allowed to contact the AEU-7/AEU-7P may cause irreversible damage and will void the warranty.

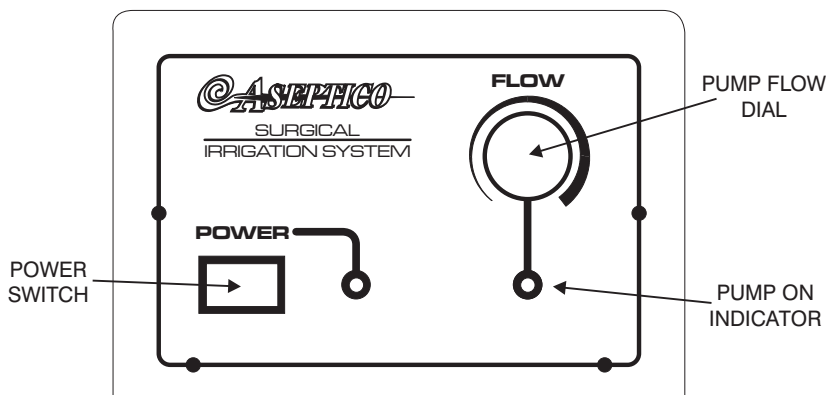
OPERATION FUNCTIONS:

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 pump speed increases, thus increasing fluid flow. Turning dial counterclockwise decreases flow. Flow range is from 0 to 60ml 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 are ready for 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 illustrated on pg. 2, and attach the appropriate output device for the procedure being performed.
3. Depress the foot switch 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.



SETUP ILLUSTRATIONS



AEU-7 with AE-7 On/Off Foot Switch



**AEU-7 with DIN Type Patch Cord
(PN 330025)**



**Optional AE-7DC Foot Switch
Allows for operation of both the
AEU-7 pump and either the Endo
DTC or SurgiMotor II electronic
rotary systems.**



**AEU-7P connected to AEU-17B or AEU-25 with AE-60 for
activation with Pneumatic Foot Control**

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-7 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 .5A/250V fuse.
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. Check Air Signal if used.
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 is in the correct direction.

WARRANTY

Aseptico warrants its products against defects in material or workmanship for a period of one (1) year, from date of original invoice. Some handpieces are warranted for one year under the same conditions. Other handpieces and expendable components, such as air turbines and 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.



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