

UV PROCESS SUPPLY, INC.

CON-TROL-CURE[®] PERISTALTIC PUMP INSTRUCTION MANUAL

PART # J432-001 (Variable Speed), J432-002 (Fixed Speed), J432-003 (OEM Model)

General Description

The CON-TROL-CURE[®] peristaltic pump is self-priming and can handle a wide variety of viscosities (from air to heavy slurries) with positive displacement.

The CON-TROL-CURE[®] peristaltic pump can be used to pump fluids or gases without contamination of the pump - the material contacts only the tubing. The positive displacement feature makes this pump ideal for metering applications. Each revolution of the roller assembly delivers a precise amount of fluid.

The easy changeability of the CON-TROL-CURE[®] Peristaltic pump tubing makes this the ideal pump for diverse quick change repetitive pumping jobs;

Flexible, reliable and cost efficient, the CON-TROL-CURE[®] Peristaltic Pump can fill most all of your fluid movement requirements.

Specifications:

- 1) Priming: Unit is self priming and will hold vacuum when turned off.
- 2) Operation: *Pump* can run dry without damage.
- 3) Weight: See model information chart;
- 4) Capacity: From 3 ML/MIN to 1000 ML/MIN (see model information chart
- 5) Construction: High strength plastics and long lasting alloy metals.
- 6) Maximum Head Pressure: 57 feet of water.
- 7) Maximum Suction Lm: 28 feet of water.
- 8) Maximum **System Pressure: 25 psi continuous**, 40 psi intermittent.
- 9) Certification: All motors are UL listed.
- 10) Rating: All garmotors are rated for 100% continuous duty.

UV PROCESS SUPPLY, INC.

CON-TROL-CURE® PERISTALTIC PUMP INSTRUCTION MANUAL

PART # J432-001 (Variable Speed), J432-002 (Fixed Speed), J432-003 (OEM Model)

Installation Instructions:

- 1) Power Requirements: Voltage and frequency of power supply must be the same as shown on unit.
- 2) Wiring Connections: All wiring and electrical connections must comply with national electrical codes and local electrical codes.
- 3J Mounting:
 - A) Mount OEM model mounting bracket to any flat, rigid surface, using four #10-32 screws.
 - B) Case enclosed model may be placed on any flat surface, assuring space is provided at the back of the case for air circulation through ventilation holes.
- 4) Mounting Location: Pump should be used in a dry location with an adequate supply of cooling air. The ambient temperature should not exceed 40°C.

Warning: This unit should not be used in outdoor or in hazardous locations.

Instructions for Optional Timer

- 1) Rotate the program disc in the direction of the arrows to align the correct time of day with the time mark.
- 2) Set the desired switching program by pushing the switch actuators toward the center of the time switch. Each actuator provides a 15 minute "on" time. The now visible orange area(s) indicate the switch on period.

Operational Information

- 1) Variable speed control may be set at any desired level before turning unit on.
- 2) Unit is designed for continuous operation at any speed.

Caution: Depending on pump model, tubing in use and fluid being pumped, roller assembly may stop rotating when speed/flow control is set at the low end range. Avoid prolonged operation in the stalled position for longer motor life.

FUSE - Replace with type AGO - 1 Amp.

UV PROCESS SUPPLY, INC.

CON-TROL-CURE® PERISTALTIC PUMP INSTRUCTION MANUAL

PART # J432-001 (Variable Speed), J432-002 (Fixed Speed), J432-003 (OEM Model)

Tubing Inspection

Inspect all tubing regularly and replace it if deterioration occurs. Use the following instructions to replace pump tubing.

Tubing Replacement:

- 1) Disconnect power to the pump.
- 2) Disconnect the suction and discharge tubing from the pump tubing.
- 3) Remove 4 screws (or wingnuts) and pump cover.
- 4) Remove old pump tubing and discard.
- 5) Clean roller race, removing any particles that could damage tubing.
- 6) Position roller bracket assembly as shown in fig. 1.
- 7) Push new tubing into inlet port, anchoring tubing in grippers. See fig. 2. Connect power and run unit at a slowest speed. Carefully **feed tube into race** as rollers turn (keep fingers **away from rollers**).
- 9) Finally, insert tubing into outlet port (fig.4) and replace cover.

CAUTION - Severe pinching of fingers can occur while inserting tube in above manner.

Alternate Method

With unit running at high RPH, pull old tubing out from outlet port of pump. Install new tube by inserting into inlet port; continue feeding tube 1/4' in at a time, allowing the roller assembly to push tubing until tube extends out from outlet port. Pull tubing from outlet port until desired tubing extension is obtained. Run unit for about one minute to allow tube to seat properly.

UV PROCESS SUPPLY, INC.

CON-TROL-CURE® PERISTALTIC PUMP INSTRUCTION MANUAL

PART # J432-001 (Variable Speed), J432-002 (Fixed Speed), J432-003 (OEM Model)

Tubing Inspection:

Inspect all tubing regularly and replace it if deterioration occurs. Use the following instructions to replace pump tubing.

Tubing Replacement:

- 1) Disconnect power to the pump.
- 2) Disconnect the suction and discharge tubing from the pump tubing.
- 3) Removed screws and pump cover.
- 4) Remove old pump tubing and discard.
- 5) Clean roller race, removing any particles that could damage tubing.
- 6) Position roller bracket assembly as shown in Fig. 1.
- 7) Push new tubing into inlet port, anchoring tubing in grippers (see Fig. 2) while rotating roller bracket assembly.
- 8) Continue to rotate roller bracket assembly, pushing tubing into roller race. (Figure 3)
- 9) Finally, insert tubing into outer port (Fig. 4), and replace cover and screws.

Caution: Do not run motor while changing tubing. Severe pinching of fingers can occur.

UV PROCESS SUPPLY, INC.

CON-TROL-CURE® PERISTALTIC PUMP INSTRUCTION MANUAL

PART # J432-001 (Variable Speed), J432-002 (Fixed Speed), J432-003 (OEM Model)

Tubing Inspection and Replacement

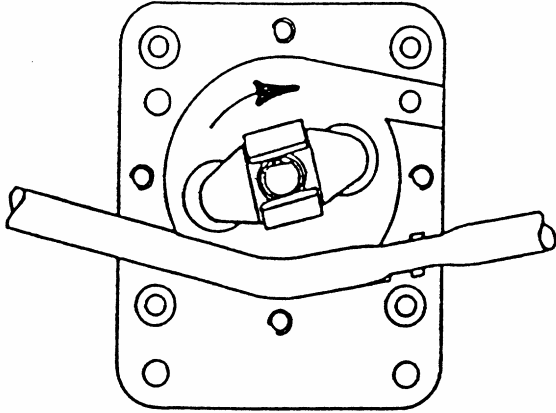


FIG. 1

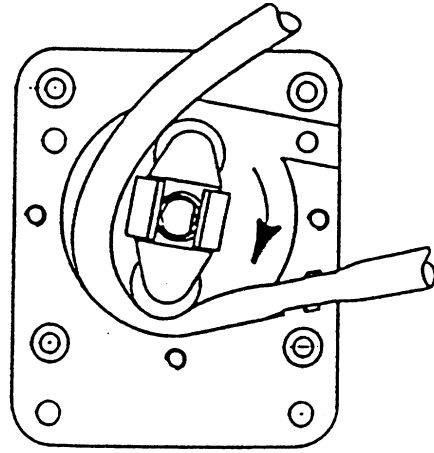


FIG. 3

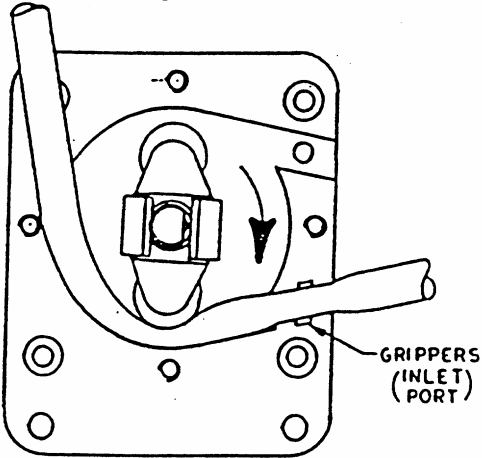


FIG. 2

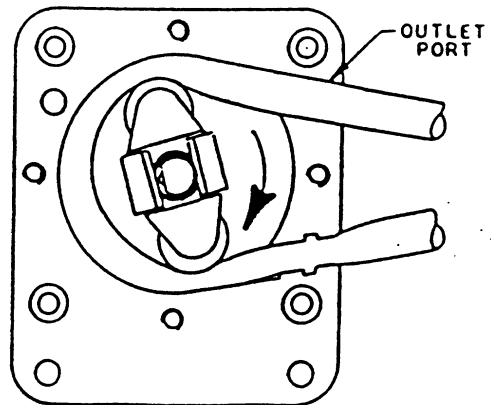


FIG. 4

UV PROCESS SUPPLY, INC.

CON-TROL-CURE® PERISTALTIC PUMP INSTRUCTION MANUAL

PART # J432-001 (Variable Speed), J432-002 (Fixed Speed), J432-003 (OEM Model)

You must include complete model number when ordering replacement parts.

CON-TROL-CURE® Peristaltic Pump

FIXED SPEED MODEL (Item # J432-002)

VARIABLE MODEL (Item # J432-001)

OEM MODEL (Item J432-003)

UV GRADE REPLACEMENT TUBING Inside Dimension 1/4"
(Item J432-004)

ASSEMBLY INSTRUCTIONS

1) Assemble mounting plate (4) and pump housing (5) to gearmotor (3) with three #10-32 x 1-1/4 long screws (7) and one #8-32 x 7/8 bag screw (2).

2) Press roller bracket assembly (8) on to the motor shaft with the four self-locking teeth toward the gearmotor. (As shown in the view above)

3) Insert tubing (6) into pump housing (5) inlet and work tube into roller race as you rotate roller bracket assembly. See details on page 5.

Caution: Do not run motor while changing tubing. Severe pinching of fingers can occur.

Warranty

UV PROCESS SUPPLY warrants the peristaltic pump with the exception of tubing and any damage to the pump or motor resulting from a tube failure and motor to be free of defects in material and workmanship for 90 days from date of shipment. This warranty is limited to the repair or replacement (to be determined by UV Process Supply) of the peristaltic pump and gear motor assembly.

Return Requests/Inquiries

Direct all warrant and repair requests to UV PROCESS SUPPLY, Inc. Customer Service Department, telephone number 312-248-0099. Before returning any unit, please contact Customer Service Department to obtain a **return authorized number**. The return authorization number must be clearly marked on the outside of the returned package.