

ASSEMBLY INSTRUCTIONS

7901 FLOW-THRU PHOTO-OXIDATION UNIT

NOTE! USE OF COTTON GLOVES IS RECOMMENDED AT ALL TIMES WHILE HANDLING QUARTZ UV LAMP AND COIL REACTOR

CONSISTS OF: 7901-65 LAMP & FAN HOUSING, 7901-76,-80,-88 OR 89 COIL, 7825-40 LAMP AND 7900-71 OR 74 POWER SUPPLY; ALSO INCLUDED: BOTTOM LAMP HOLDER PLATE, 2½" GLASS LAMP SPACER, WADDING AND TWO SILICONE RUBBER LIGHT SHIELD WASHERS.

INSTALLATION:

1. Open door of Housing using snap latches and mount UV Lamp in Housing. Be sure all power cords are unplugged. Refer to Diagram on Page 7 and proceed.
2. Locate bottom lamp support plate and install using six hook springs as shown in Diagram, supplied. Remove the sleeving on porcelain holder for now.
3. Locate lamp and remove both pin plugs from lamp leads, unscrew plastic black and white caps from metal pins and pull wires from pins; NOTE: wires go thru hole and wrap around pin body slightly more than one turn.
4. Put bare end of lamp wire thru 2½" Glass Spacer, then thru Bottom Lamp Holder now in housing.
5. Install pin plugs on lamp wires as explained in Step 3.
6. Install Silicone/Fiberglass sleeving around both wires and insert snugly in Lamp Holder, Glass spacer sits on wadding and supports bottom lamp nut as in Diagram, supplied. Lay lamp in housing and tilt housing above fan housing, offset somewhat, and connect lamp pin plugs to matching sockets in Fan Housing.
7. Attach Lamp Housing to Fan Housing via six Phillips head screws.
8. Door front is mounted opposite the Fan Motor.
9. Locate Coil Reactor Assembly with 2" diameter tube attached in the center, 24" long. The shorter plain 2" diameter tube ~ 5" long is the "TOP" of the assembly. Thus the 6" long tube is the bottom of the assembly.
10. Tilt UV lamp outward from open door, gently insert UV lamp into bottom of 2" diameter quartz tube until bottom of tube rests on bottom of porcelain fixture on Bottom Lamp Support Plate
11. Carefully, angle and turn Coil Reactor so coil and side tubulations clear door opening. Press downward on spring loaded Bottom Lamp Holder until top of 2" diameter top tube clears top of doorway. Center on top porcelain fixture and release carefully.
12. Vertically center tubulations of coil after you install. Hook-up hoses and clamps on water cooling jacket connections and 3/8" hose tubes mounted on lamp housing. Note! non-jacketed reactors need not follow this step, BUT, use black electrical tape to cover aluminum feed tubes to block UV from getting out.
13. With reactant coil adjusted so you can close door easily, clamp door. Install two silicone covers on outside of door at this point. Moisten hole of washers and slide over inlet and outlet tubes on coil. IMPORTANT: use tape to block any UV light from shining out of these reactant feed tubes when all hoses are hooked up.
14. Be sure the power cord on Power Supply plugs into a 230v source. Plug Fan plug into 230v socket coming from Power Supply. Using lamp patch cord, plug into square outlet on front of Power Supply and the pin plugs from lamp/fan housing, plug into the pin socket of the lamp patch cord.