

MILLENIUM LEAK REPAIR PROCEDURE

Tools and Materials Required

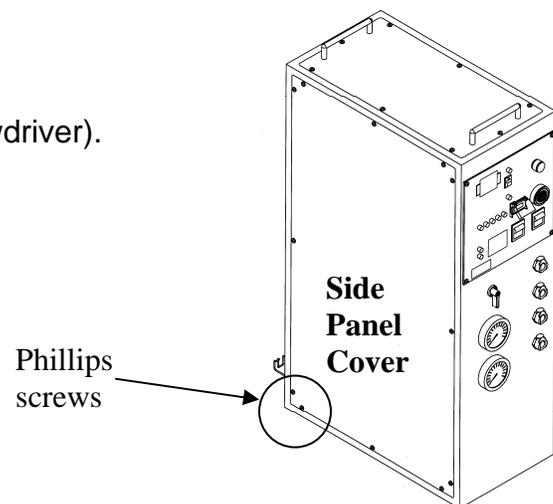
- #2 Phillips screwdriver.
- Tongue and groove pliers.
- Teflon tape ½" (ME60028)
- Silicone Sealant, 3 oz. (ME60690)
- New fittings (optional)

Initial Preparation

1. Turn off Millenium.
2. Turn off water supply at source.
3. Briefly turn ON the Inlet Water Valve switch. Allow system (including, if present, carbon tank(s), softener, pre-filter housing, etc.) to fully depressurize.
4. Disconnect water lines: Product, Feed and Waste.
5. Unplug power cord.

WARNING: Ensure power cord is disconnected to prevent risk of electric shock, which could result in injury or death.

6. Remove Millenium from cart.
7. Remove large side panel cover (Phillips screwdriver).



LEAK REPAIR PROCEDURE

General Information: Leaks from any part of the system should be corrected as soon as possible. When left unattended, leaks can cause secondary damage necessitating expensive repairs.

NOTE: Use FDA/NSF approved silicone sealant on all threaded connections.

Threaded Connections:

- 1) Prior to performing maintenance on any threaded fitting, release the pressure in the piping/tubing system, i.e., turn off the pump, open a drain port, etc.
- 2) Remove the connecting tubing.
- 3) Re-tape pipe threads with 2 or 3 wraps of Teflon tape. (It is recommended but not required to remove the old Teflon tape.)
- 4) Insert the threaded fitting into the opening and hand-tighten. Be careful to avoid cross threading. Tighten using a wrench, only when necessary, about one-half turn.
- 5) Re-connect piping, pressurize, and inspect for leaks.
- 6) If the leak is still present, de-pressurize system and tighten the fitting an additional quarter-turn. Excessive tightening may crack threaded fittings. Pressurize the system and inspect for leaks.
- 7) If the leak continues, it may be necessary to replace the fitting.

Tubing Connections:

- 8) Prior to performing maintenance on any tube fitting, relieve pressure in the tubing system, i.e., turn off the pump, open a drain port, etc.
- 9) Remove the red locking clip (if applicable).
- 10) Push the collar in towards the body of fitting. This releases the 'gripper' that holds the tube in place.
- 11) Hold the collar in while gently pulling the tube away from the fitting.

- 12) Remove the gripper collar by pulling straight out. Reach into the opening with a small, blunt (non-scratching) probe and remove the O-ring(s). (Inspect the collar to insure that all grippers are intact.)
- 13) Rinse the O-ring with warm running water to remove any debris and set aside to dry on a clean paper towel.
- 14) Clean the inside of the fitting with a wet cotton swab or paper towel to remove any debris. Be sure not to leave any cotton fibers from the swab or towel inside the fitting.
- 15) Lubricate the O-ring(s) sparingly with silicone O-ring lubricant and place the O-ring back inside the fitting.
- 16) Replace the gripper collar.
- 17) With a sharp utility knife, cut off approximately ½" of tube. Carefully cut the tube as square (perpendicular to the length) as possible. Inspect remaining tubing for marks/scratches and replace/repair as necessary.
- 18) Place the tube in the fitting opening and push firmly until the tube seats fully in the socket.
- 19) Pull back on the tubing to seat the grippers, and re-install the locking clip (if applicable) between the body of the fitting and the collar (flat side towards the body).
- 20) Re-pressurize the system (if applicable) and inspect for leaks.
- 21) If the leak is not resolved, replace the entire tube fitting or tube.
- 22) Prepare for leak testing, restore water and power connections and then reference:

Tech Note 207 MILLENIUM START-UP PROCEDURE