

MILLENIUM PRESSURE GAUGE REPLACEMENT PROCEDURE

Tools and Materials Required

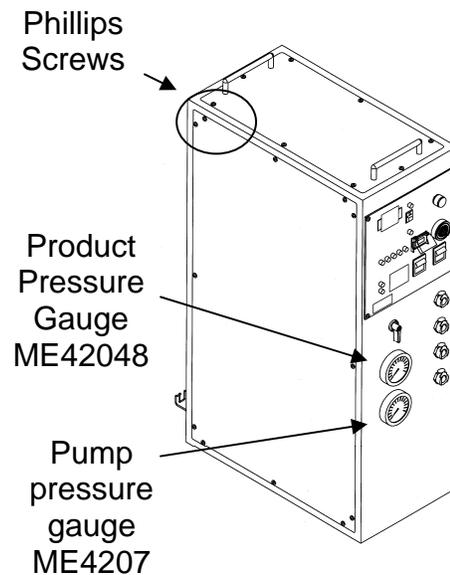
- Screwdriver (flat & Phillips)
- Product pressure gauge (PN ME42048)
- Pump pressure gauge (PN ME42074)
- Teflon tape ½" (PN ME60028)
- (Optional) New fitting, 1 per gauge (PN ME40253)
- (Optional) New tubing 1/8" x 1 foot (PN ME60298)

Initial Preparation

1. Turn off Millenium.
2. Turn off water supply at source.
3. Briefly turn ON the Inlet Water Valve switch. Allow the 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.

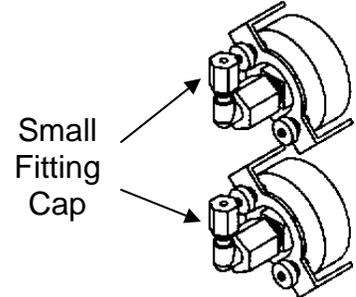
WARNING: Ensure power cord is disconnected to prevent risk of electric shock, which could result in injury or death.

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

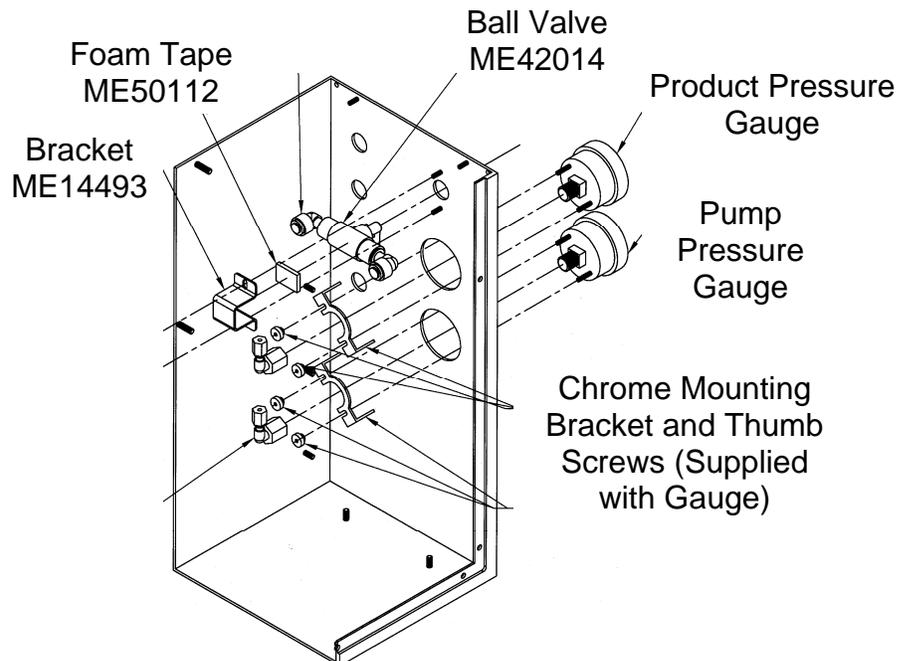


PRESSURE GAUGE REMOVAL / REPLACEMENT PROCEDURE

1. Un-screw the small fitting cap from the back of the gauge and remove the 1/8" tubing and cap together. Slide the cap further up the tube for safe keeping.
2. Loosen the two white thumb screws located on the mounting bracket covering the back of the gauge.
 - a. Remove the chrome mounting bracket.
 - b. Slide the gauge towards the front of the RO and out of the frame.
 - c. Un-screw the plastic fitting from the back of the pressure gauge, inspect the fitting for cracks or damage, and replace if needed.



NOTE: There is a black rubber plug towards the top of the gauge (used for filling the gauge with liquid Glycerin); care should be taken when removing the gauge to avoid pulling the plug out and causing glycerin to drain out of the gauge. The gauge hole in the front panel (as viewed from the front) has a small cut out on the left side to help clear the black rubber plug. A screwdriver may be needed to gently push in the plug while removing and installing the new gauge.



3. Remove new gauge from box and locate the new thumb screws and mounting bracket.
 - a. Wrap 2-3 full turns of Teflon tape, clock-wise around the ¼” pressure gauge nipple and install the fitting “finger tight” (approximately half way on to the nipple).
 - b. Install the thumb screws; the flat side of the screw should be away from the gauge.
 - c. Carefully insert gauge from the front of the panel until it is flush with the frame. A screwdriver may be needed to gently push in the black plug (in order to clear the small notch in the side of the pressure gauge opening).
 - d. Install the chrome mounting bracket, positioning the gauge so it is straight, and then tighten the thumb screws.
4. Locate the 1/8” tubing and cap, leave the cap on the tubing unless the cap is damaged; if damaged, replace with a new cap and fitting.
5. Carefully trim the tubing above the pinch marks (approximately 3/8 inch) with a tube cutter, sharp knife or razor blade.

NOTE: Care should be taken not to crush the tube (scissors tend to crush tubing).

6. Thread the cap onto the tube fitting but do not tighten. Insert the tube in the fitting, pressing firmly to make sure the tube is all the way to the bottom of the fitting, and hand-tighten.
7. Prepare for leak testing, restore water and power connections and then reference:

Tech Note 207: - MILLENIUM START-UP PROCEDURE