

Replacing the XT humidifier steam cylinder

1. When steam cylinder is completely empty, turn humidifier off. Place all power disconnects in OFF position, and lock in OFF position.
2. Remove cabinet doors, and make sure cylinder and humidifier components have cooled.
3. Carefully pull the electrode plugs straight up off the cylinder to ensure no damage to the plug boot occurs.

Inspect cylinder plugs. Obtain replacement plugs from DriSteem if deterioration, corrosion or loose fit occur.

NOTE: If you have a XTR humidifier with D-shaped connectors replace with the O-shaped connectors ((DriSteem part #531008-101). (see Figure 2-1).

4. Disconnect the high water sensor wire.

Note: Because of tight clearances, perform Steps 6 through 8 only if servicing Model XTS / XTP 002 through 017 with top-mounted steam blower. For all other models, skip to Step 9.

5. Remove both clamps on steam hose that connects to cylinder and steam blower.
6. Slide steam hose from Step 5 all the way up until it is tight against bottom of steam blower.
7. Raise cylinder straight up out of drain valve body, and remove from cabinet. Skip to Step 10.

8. Loosen steam hose clamp, and disconnect steam hose from cylinder.
9. Remove steam cylinder.
10. Vacuum scale and debris out of drain valve port.

Replace O-ring in drain valve body (new cylinder ships with new O-ring). Make sure O-ring is correctly placed.

11. Dampen O-ring seals **with water** before replacing cylinder. **Do not use lubricant or other substance.**

12. Install new steam cylinder.

Note: If the humidifier is seismic certified, a tie cable must be used around the cylinder to secure it in place (DriSteem part #409250-102).

Note:

DriSteem recommends keeping a spare steam cylinder in stock during the humidification season.

CAUTION

If cylinder plugs become loose, damage to the humidifier may occur. Obtain replacement plugs from DriSteem.

13. Connect steam hose to cylinder, and re-install hose clamp.
14. Connect high water sensor (yellow) wire to single pin surrounded by plastic shoulder on cylinder.

15. Connect electrode wires to pins on top of cylinder. Make sure all plugs fit snugly and are fully engaged on pins.

Important: Three phase cylinders have color-coded dots on the cylinder and color bands on the electrode plugs. When connecting the plugs, match the band colors on the plugs with the dot colors on the cylinder. Refer to the wiring diagram shipped with the humidifier if necessary.

16. Perform the start-up procedure in the Installation and Operation Manual before returning the humidifier to operation.

FIGURE 2-1: CONNECTORS

