Hoffman Specialty®
Dura-Stat® Thermostatic Module
For Hoffman Specialty Thermostatic Traps
Model 17C

**CAUTION**

- Before using product, read and understand instructions.
- Save these instructions for future reference.
- All work must be performed by qualified personnel trained in the proper application, installation, and maintenance of steam systems in accordance with all applicable codes and ordinances.
- To prevent serious burns, wear heat resistant gloves when opening and closing steam valves, or handling hot equipment.
- To prevent serious burns, the internal pressure of the trap must be 0 psi (0 bar) before servicing.

Failure to follow this caution will cause personal injury.

**INSTALLATION –**

For Hoffman Specialty Trap Model 17C (old style disc type element)

1.a Remove the trap cover (A) from the body (B).

b. Unscrew the thermostatic element (C) from the cover (A).

c. Discard the old thermostatic element (C) and washer (D).
2a. Using a 3/4" (19mm) socket wrench, remove and discard the seat (E) from the trap body (B).

b. Discard the old seat (E).

3. Using a scraper, remove any scale or debris inside the trap body (B) especially around the seat area (F). Do not scratch gasket surface area.

4. Screw the new Dura-Stat® thermostatic module (G) into the threaded port inside the trap body.

5. Using a 3/4" (19mm) socket wrench (H), tighten the Dura-Stat module approximately 12 lbf•ft (16 N•m).

6a. Reinstall and tighten the trap cover (A) on the body (B).

b. Slowly open the steam supply valve.
For Hoffman Specialty Trap Model 17C (with Dura-Stat Module)

1a. Remove the trap cover (A) from the body (B).

b. Unscrew the old Dura-Stat® element (C) from the body.

c. Discard the old element.

2. Using a scraper, remove any scale or debris inside the trap body (B) especially around the seat area (F).

3. Screw the new Dura-Stat® thermostatic module (G) into the threaded port inside the trap body.

4. Using a 3/4" (19mm) socket wrench (H), tighten the Dura-Stat module approximately 12 lb•ft (16 N•m).

5a. Reinstall and tighten the trap cover (A) on the body (B).

b. Slowly open the steam supply valve.
MAINTENANCE
SCHEDULE:
• Replace Dura-Stat thermostatic module every 4 years.

TROUBLESHOOTING

Problem: 1. Improper Heating
   a. Cause: The thermostatic element is not opening or functioning properly. This could be caused by dirt, or a broken element.
   Test: Use a thermometer to test inlet temperature. A cold trap is an indication the trap failed closed.
   Solution: Disassemble the trap and inspect the thermostatic assembly. Replace any worn or defective parts. Clean any dirt from trap body.

Problem: 2. Energy Wasted
   a. Cause: A leak in the thermostatic element caused a loss of fill in the element, which caused the element to fail open.
   Test: Using a stethoscope or ultra sound device, listen for a low pitch whistle sound. A low pitch whistle sound indicates the trap is open and blowing live steam.
   OR
   Using a thermometer, check the trap inlet temperature. It should be at least 20°F (11°C) below the temperature in the steam space ahead of the trap.
   Solution: Replace the trap or disassemble the trap and replace the thermostatic element.

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