



Plate Heat Exchanger Maintenance Checklist

10 planned preventive maintenance tasks · Free PDF from PM Assist

A practical starting point for planned preventive maintenance. Always refer to the manufacturer's O&M manual and site-specific requirements.

Visual Checks

- ☐ Inspect for external leaks at plate gaskets and connections
- ☐ Check tie bolts are evenly torqued to manufacturer specification
- ☐ Inspect frame and carrying bars for corrosion
- ☐ Check gasket condition for deterioration, compression set, or hardening

Functional Checks

- ☐ Check primary and secondary flow and return temperatures
- ☐ Verify pressure drop across the exchanger is within normal range
- ☐ Verify isolation valves on both circuits operate freely

Cleaning & Housekeeping

- ☐ Clean plates if fouling is suspected (chemical flush or manual strip-down)

Safety Checks

- ☐ Test pressure relief valve on the secondary side where fitted

Record Keeping

- ☐ Record temperatures, pressures, and flow rates across the exchanger

Maintenance Frequency

Monthly

- Check temperatures and pressures across the exchanger
- Visual check for leaks

Annually

- Full performance check against design duty
- Inspect gaskets and frame
- Chemical clean if performance has degraded