



Pressure Vessel Maintenance Checklist

12 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 the vessel shell externally for corrosion, distortion, and damage
- ☐ Inspect insulation and cladding, checking for corrosion under insulation at penetrations
- ☐ Inspect supports, mountings, and anti-vibration arrangements
- ☐ Check pipework connections and valves for leaks and secure fixing

Functional Checks

- ☐ Verify the pressure gauge reads correctly and is within its calibration interval

Cleaning & Housekeeping

- ☐ Drain condensate from air receivers and check the automatic drain operates

Safety Checks

- ☐ Check safety valves and relief devices are fitted, sealed, and in date
- ☐ Confirm safe operating limits are displayed and observed

Record Keeping

- ☐ Confirm a current written scheme of examination exists and covers this vessel
- ☐ Check the date of the last examination and the next date due under the scheme
- ☐ Check the nameplate is legible and matches the vessel's documentation
- ☐ Record findings and file the examination report with the plant records

Maintenance Frequency

Weekly

- Drain condensate from air receivers where no automatic drain is fitted

Monthly

- Check automatic drain operation
- Visual inspection for leaks and corrosion
- Confirm gauge reading against expected pressure

Annually

- Full external inspection
- Safety valve and relief device check
- Gauge calibration review
- Confirm examination status against the written scheme