

Pressure vessels (where applicable)	
Service provided (where applicable)	Details
Standard vessel inspection	<ul style="list-style-type: none"> <li>• Check the pressure vessel is suitably rated for the system.</li> <li>• Carry out visual inspection, check for rust, damage and leaks.</li> <li>• Mechanically isolate and drain the pressure vessel.</li> <li>• Check the integrity of the vessel diaphragm and suitable pre-charge pressure, recharge if required.</li> <li>• Check and drain condense water.</li> </ul>
Standard service and statutory pressure vessel examination	<ul style="list-style-type: none"> <li>• Carry out inspection in accordance with written scheme of examination.</li> <li>• Check protection devices are suitably rated.</li> </ul>
House keeping	<ul style="list-style-type: none"> <li>• Remove surface dust from top of vessel.</li> </ul>
Service label	<ul style="list-style-type: none"> <li>• Fill in service label (date, engineer name, and report) PV number.</li> </ul>

Pump(s) (where applicable)	
Service provided (where applicable)	Details
Check pump(s)	<ul style="list-style-type: none"> <li>• Check for correct orientation, excessive noise, vibration, or leaks.</li> <li>• Check motor run amps, pump run times.</li> </ul>
Check pressures	<ul style="list-style-type: none"> <li>• Check that pumps achieve correct duty pressure and flow.</li> </ul>
Fault log	<ul style="list-style-type: none"> <li>• Check pump fault log history.</li> </ul>

Cabinet and controls (where applicable)	
Service provided (where applicable)	Details
Control settings	<ul style="list-style-type: none"> <li>• Check set points are correct for the system requirements.</li> </ul>
Test operation	<ul style="list-style-type: none"> <li>• Check operation of auto rotation of pumps and run timers.</li> <li>• Check operation of safety features including high and low pressure interlocks and low water level protection.</li> <li>• Check operation of pressure switches/sensors and pressure lines.</li> <li>• Check operation of expansion vessel load cell.</li> </ul>
House keeping	<ul style="list-style-type: none"> <li>• Remove surface dust from top of cabinet.</li> </ul>
Service Label	<ul style="list-style-type: none"> <li>• Fill service label (date, engineer name, and report).</li> </ul>
Fault log	<ul style="list-style-type: none"> <li>• Check fault log history.</li> </ul>

# PRESSURISATION UNITS, WATER BOOSTER SETS & PRESSURE VESSEL

Hydraulics (where applicable)	
Service provided (where applicable)	Details
Check non return valves	<ul style="list-style-type: none"> <li>• Check holding pressure against valves.</li> </ul>
Check isolation/drain Valves	<ul style="list-style-type: none"> <li>• Test each valve operation and holding.</li> </ul>
Check Pressure Gauges	<ul style="list-style-type: none"> <li>• Check pressure reading against a calibrated gauge.</li> </ul>
Check manifolds and flexible pipe connections	<ul style="list-style-type: none"> <li>• Visual check for defects, weeping joints etc.</li> </ul>
Check mains water/spill tanks include float valve(s)	<ul style="list-style-type: none"> <li>• Visual check on internal tank condition, small tanks on pressurisation units drained and quick clean given.</li> <li>• Visual examination only when access is via vertical ladder, restricted headroom or narrow openings.</li> <li>• Check tank and visible pipework complies with water regs.</li> <li>• Check float valve operation is correct and installed correctly.</li> </ul>
Check solenoid valve(s)	<ul style="list-style-type: none"> <li>• Isolate part of system to be worked on to clean filter.</li> <li>• Check solenoid valve operation.</li> </ul>
Check safety valves	<ul style="list-style-type: none"> <li>• Check safety valves for correct rating and is suitable for system protection. If safety valves not visible check and record other protection device (transducer, pressure switch etc).</li> </ul>

Reports	
Service provided (where applicable)	Details
Report information	<p>The following to be recorded for report writing.</p> <ul style="list-style-type: none"> <li>• How found, what done and how left.</li> <li>• Record general observations</li> <li>• System type</li> <li>• Unit make/model</li> <li>• Unit serial number</li> <li>• Pump(s) make/model</li> <li>• Vessel(s) make/model</li> <li>• Cold fill or Duty Pressure Vessel charge pressure</li> <li>• Low pressure setting</li> <li>• High pressure setting</li> <li>• Spill valve setting</li> <li>• Safety valves rating</li> <li>• Static height of system</li> <li>• Dropdowns completed</li> </ul>

**NOTES**