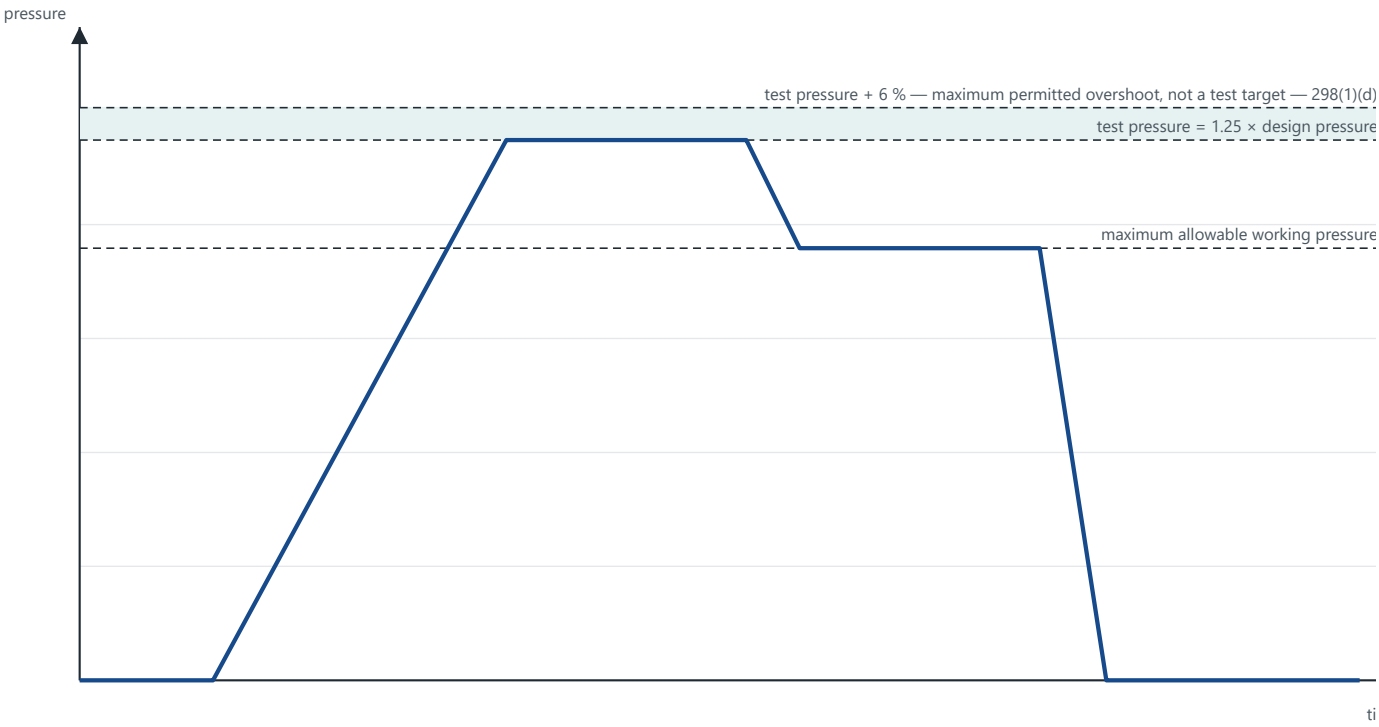
Site hydraulic test — sequence at a glance (regulations 297 and 298)

Pressure–time sketch for a sub-critical boiler tested at 1.25 × design pressure. Shape only; the time axis is not to scale.



1. **Prepare** — reg. 297
2. **Raise gradually** — under control — 298(1)(d)
3. **Hold 30 min** — at test pressure — 298(1)(d)
4. **Reduce to MAWP** — close visual inspection
5. **Release** — pressure fully
6. **Examine boiler** — inside & outside — 29

Separate acceptance condition — 298(2)

The boiler must withstand the test pressure for at least ten consecutive minutes without appreciable leakage, undue deflection or distortion. This pass condition is distinct from the 30-minute hold of 298(1)(d) (step 3).

Simplified illustration of the wording of regs. 297–298. It is not a test procedure; follow the Gazette text and the Competent Person's instructions.

INDEPENDENT EDUCATIONAL REFERENCE — NOT AN APPROVED, CERTIFIED, FABRICATION-READY OR CODE-COMPLIANT DESIGN.

Verify against the official Gazette (IBR 2026), amendments and project specifications.

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Figure: fig-hydraulic-test-sequence Rev B

Diagram; not to scale

Date: 2026-11-20

Engineering review: in progress