

# Domestic water booster pump annual maintenance checklist

The annual booster pump set service is the deep pass: the measurements, cleanings and tests a quarterly round doesn't reach. This checklist keeps the full service on record with the photos that make it defensible later. Work is commonly verified against IPC / UPC plumbing codes, manufacturer's published instructions. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The plumbing service tech on the annual service, with the set staged down so pressures and pre-charge can be measured cold. When: Once a year, the pass where the tank is isolated and gauged and the controller's staging and run-hour balance are actually verified rather than assumed.

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## Tank and pre-charge

- ☐ **Tank isolated and pre-charge measured to setpoint**  
Tank drained of water pressure and the air pre-charge read and set relative to the pump cut-in per the published instructions, bladder proven intact with no water at the air valve. 2 photos required

## Pumps and controls

- ☐ **Each pump run and current read against nameplate**  
Every pump in the set brought up individually, amp draw read against its nameplate, no unusual noise, vibration or hot bearing. 1 photo required
- ☐ **Full lead-lag staging exercised through the range**  
Controller driven across its demand range so every pump stages in and out in sequence and the transducers agree with the gauges under load. 2 photos required
- ☐ **Run hours reviewed and alternation confirmed**  
Logged run hours reasonably balanced across the pumps, alternation enabled so wear spreads instead of falling on one pump. 1 photo required