Plumbing: a project sizing checklist

Pipe sizes depend on demand, layout and system conditions.

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1 Water supply

Assess flow demand, pressure, pipe length and losses. Confirm the available supply before selecting sizes.

2 Hot water

Coordinate appliance output, storage, safety controls, heat loss and expected simultaneous use.

3 Waste and soil

Consider fixture discharge, branch length, gradient, venting and access for cleaning.

4 Rainwater

Size to roof catchment, rainfall design conditions, outlet capacity and overflow provision.

5 Materials and supports

Follow the selected system instructions for joints, spacing, movement, insulation and protection.

6 Test and record

Complete required pressure/leak testing, commissioning and handover. Tank and septic sizing need a site-specific design.

Use the applicable national guidance and a competent design; one table cannot size every home.

REFERENCE GUIDANCE

GOV.UK: Approved Document H
GOV.UK: Approved Documents (England)

Use current product instructions and the approved project design. For regulations, confirm the UK nation, applicable edition and transitional arrangements.

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