

Introduction & How To Complete This Form

This checklist is to be used to produce your Part G Water Calculation. Under Part G of the building regulations you are required to reduce your mains water consumption to below 125 litres per person per day. This is done by reducing the water consumption of your appliances and fittings (showers, taps, baths, washing machines and dishwasher etc)

Some local authorities require lower levels of usage as part of the planning consent which may use references to Code for Sustainable Homes Standards/Levels which are more stringent than Building Regulations Part G. If you are unsure of the specification of your sanitary fittings we will advise you how to achieve compliance.

IMPORTANT: Part G Water Calculations specifically assess, measure and analyse the water consumption in your new building. Please complete the boxes below as accurately as possible, as any additions or omissions will affect the Part G water consumption calculation.

Please complete one checklist per plot type and detail the plot numbers in the box below. The definition of a plot type would be any plots that have the same number and type of fittings throughout the dwelling.

Note, it is likely that on larger sites that the sanitary fixtures and fittings will be similar in all plots, however the number of fixtures and fittings such as toilets, showers and basin taps and utility taps will increase in large properties with the inclusion of en-suites and utilities, these would need their own complete checklist. Once you have completed one checklist you can copy and paste the document and amend the necessary fields to save time re-entering the values.

FLOW LIMITERS: If you intend to use flow limiters on any of the showers and/or taps please use the flow rate of the limiter instead of the manufacturers flow for the shower or tap itself. Please detail where you intend to use flow limiters by including (fl) in the "make & model box" as well as the make/model of shower and/or tap itself. For example:- Bristan Rio Bar Value (fl)

YOUR DETAILS:

Your Name:

Your Email:

PROJECT DETAILS:

Company Name:

Project Name:

Plot Number/s:

Site Address:

What water consumption requirement do you require? (check your planning conditions)

- ☐ Part G Building Regulations Only (125 litres/person/day)
- ☐ Planning Requirement CSH Level 1/2 (120 litres/person/day)
- ☐ Planning Requirement CSH Level 3/4 (105 litres/person/day)
- ☐ Planning Requirement CSH Level 5/6 (80 litres/person/day)

WHAT FITTINGS ARE YOU USING?

BATH TUBS

Make	Model	Quantity	Capacity to overflow (litres)	Manufacturers Web Link (url)

TOILETS / CISTERNS

Make	Model	Quantity	Large Flush	Small Flush	Manufacturers Web Link (url)

Showers (including over baths)

Make	Model	Quantity	Flow Rate at 3bar (litres/minute)	Manufacturers Web Link (url)

WHAT TYPE OF TAPS ARE YOU FITTING IN WETROOMS?

BASIN TAPS (exclude bath taps, include bathroom, en-suites and w/c basin taps, for mixer taps please use the mixed flow rate)

Make	Model	Quantity	Flow Rate at 3 Bar (litres/minute)	Manufacturers Web Link (url)

WHAT TYPE OF TAPS ARE YOU FITTING IN THE KITCHEN & UTILITY ROOMS?

KITCHEN & UTILITY TAPS (include all kitchen and utility taps, for mixer taps use the mixed flow rate)

Make	Model	Quantity	Flow Rate at 3 Bar (litres/minute)	Manufacturers Web Link (url)

WHAT TYPE OF WASHING MACHINE ARE YOU FITTING?

Are you fitting a washing machine?

- ☐ Yes (if yes please complete below)
☐ No (see note 1)

Note 1: If you do not provide a washing machine, we are required to use a default water consumption figure of 8.17litres/kg of dryload instead. This default figure is generally higher than modern washing machine and would therefore increase the water usage.

WASHING MACHINES

Make	Model	Quantity	Dry Load Capacity (kg)	Water Usage per Standard Cycle (litres)	Litres/Dry Load*

* to calculate the litres/kg of dryload, you will need the manufacturer's technical information/datasheet. Using the information divide the water usage per cycle in (litres) by the dry load weight capacity (kg) of the machine.

Example:- If a washing uses 60 litres per cycle and has dry load capacity of 7 kgs the water consumption is 8.57 litres/kg of dry load.

WHAT TYPE OF DISHWASHER ARE YOU FITTING?

Are you fitting a dishwasher?

- ☐ Yes (if yes please complete below)
☐ No (see note 2)

Note 2: If you do not provide a dishwasher, we are required to use a default water consumption figure of 1.25litres/place setting instead. This default figure is generally higher than modern dishwasher and would therefore increase the water usage.

Dishwashers

Make	Model	Quantity	Number Place Setting (no.)	Water Usage per Standard Cycle (litres)	Litres/Place Setting**

** to calculate the litres/place setting, you will need the manufacturer's technical information/datasheet. Using the information divide the water usage per cycle in (litres) by the number of standard place setting of the machine.

Example:- If a dishwasher uses 15 litres per cycle and has 12 standard place setting the water consumption is 1.25 litres/place setting.

WHAT TYPE OF WATER SOFTNER ARE YOU FITTING?

Is a water softener being fitted?

- ☐ No ☐ Yes (if yes please complete below)

WATER SOFTENER

Make		Amount of water used per regeneration		litres
Model		Total capacity used		%
Manufacturers Web Link	No. regenerations per day			

WATER SAVING FEATURES?

Is a rainwater harvesting system being fitted? ☐ No ☐ Yes (if yes please complete below)

RAINWATER HARVESTING SYSTEM

What is the collection area m²

What is the system efficiency %

What is the yield co-efficient factor

Annual rainfall mm

Please tell us which of the water fittings above (i.e 3 of 4 of the toilets and the washing machines will receive water from the harvested rainwater):-

ANY OTHER USEFUL NOTES?

Please provide any other useful notes in the space below.

THE FINAL SIGN OFF:

If you leave elements blank we will issue your Part G Water Calculations using a compliant specification. If you need the calculations altered after issue there may be additional fees payable.

You can be confident your Part G report is in safe hands. Please forward this completed checklist to:-

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