

Approved Document G - Table A1 Water Efficiency Calculator for Dwellings

Project Ref: Collville Road - Phase 3 - WCH Unit
 Revision: 1
 Date: 10/04/2024



Installation Type	Unit of Measure	Capacity/ flow rate	Use factor	Fixed use (litres/ person/ day)	litres/ person/day
WC Single Flush	Flush Volume (litres)*	4.5	4.42	0	19.89
WC Dual Flush	Full flush volume (litres)	0	1.46	0	0.00
	Part flush volume (litres)	0	2.96	0	0.00
WC's Multiple fittings	Average effective flushing volume (litres)	0.0	4.42	0	0.00
Taps (Excluding kitchen/utility room taps)	Flow rate (litres/min)*	8.0	1.58	1.58	14.22
Bath (where shower also present)	Capacity to overflow	0	0.11	0	0.00
Shower (where bath is also present)	Flow rate (litres/min)	0	4.37	0	0.00
Bath only	Capacity to overflow	0	0.5	0	0.00
Shower only	Flow rate (litres/min)*	8.0	5.6	0	44.80
kitchen/utility sink taps	Flow rate (litres/min)*	8.0	0.44	10.36	13.88
Washing machine	Litres/kg dry load	8.17	2.1	0	17.16
Dishwasher	Litres/place setting	1.25	3.6	0	4.50
Waste disposal unit	Litres/use (if present=1, if absent=0)	0	3.08	0	0.00
water softener	Litre/person/day	0	1	0	0.00
Total calculated Use					114.45
Contribution from grey water (litres /person/day)					0.00
Contribution from rain water (litres /person/day)					0.00
Normalisation factor					0.91
Total water consumption					104.15
External water use					5.00
Total water consumption					109.15
This water consumption value applies to WCH units * Values will have to be restricted to recommended values as a maximum					