

WATER EFFICIENCY CALCULATOR

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Table A1: The water efficiency calculator					
Installation type	Unit of measure	(1) Capacity/ flow rate	(2) Use factor	(3) Fixed use (litres/ person/ day)	(4) Litres/ person/day = [(1) x (2)] + (3)
WC (single flush)	Flush volume (litres)		4.42	0	0.0
WC (dual flush)	Full flush volume (litres)	6	1.46	0	8.8
	Part flush volume (litres)	3	2.96	0	8.9
WCs (multiple fittings)	Average effective flushing volume (litres)		4.42	0	0.0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/minute)	5	1.58	1.58	9.5
Bath (where shower also present)	Capacity to overflow (litres)	120	0.11	0	13.2
Shower (where bath also present)	Flow rate (litres/minute)	8.5	4.37	0	37.1
Bath only	Capacity to overflow (litres)		0.5	0	0.0
Shower only	Flow rate (litres/minute)		5.6	0	0.0
Kitchen/utility room sink taps	Flow rate (litres/minute)	6	0.44	10.36	13.0
Washing machine	Litres/kg dry load	9.38	2.1	0	19.7
Dishwasher	Litres/place setting	1	3.6	0	3.6
Waste disposal unit	Litres/use	0	3.08	0	0.0
Water softener	Litres/person/day		1	0	0.0
	(5)	Total calculated use = (Sum column 4)			113.8
	(6)	Contribution from greywater (litres/person/day)			
	(7)	Contribution from rainwater (litres/person/day)			
	(8)	Normalisation factor			0.91
	(9)	Total water consumption = [(5) - (6) - (7)] x (8)			103.5
	(10)	External water use			5
	(11)	Total water consumption = (9) + (10)			108.5