

Design Water Assessment to achieve less than 110 ltrs per person per day
adj 15 Newbridge Lane, Brimington, Chesterfield

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(1)x(2)] + (3) (4)
WC (single flush)	Flush Volume (litres)		4.42	0.00	0
WC (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
WC (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	5.00	1.58	1.58	9.48
Bath (where shower also present)	Capacity to overflow(litres)	200.00	0.11	0.00	22.00
Shower (where bath also present)	Flow Rate(litres / minute)	7.00	4.37	0.00	30.59
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	<input type="checkbox"/> Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			114.37
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			104.07
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) = (9)+(10)(litres/person/day)			109.1

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WC (dual flush)	Dual Flush 6 ltrs full 3 ltrs part flush	17.64
Taps	Mixer Basin max 5 ltrs	9.48
Baths (shower(s) present)	Bath max 200 ltrs to overflow	22.00
Showers (bath(s) present)	Mixer showers max 7 ltrs flow rate	30.59
Kitchen Taps	Mixer Taps max 6 ltrs	13.00
Washing Machines	default 8.17	17.157
Dishwasher	default 1.25	4.5



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