



# THE WATER CALCULATOR FOR NEW DWELLINGS

## Part G Reduced Internal Water Use Compliance 110 l/p/d

(Excluding Rainwater & Greywater Systems)

		 <b>DAVID WILSON HOMES</b> WHERE QUALITY LIVES						 <b>BARRATT</b> HOMES					
Part G Compliance 110 l/p/d													
		DWH - Ideal Standard						Barratt - Twyford					
		A1		A2 & A3 - Thermostatic Shower		A2 & A3 - Electric Shower		President		Ambassador and Embassy - Thermostatic Shower		Ambassador and Embassy - Electric Shower	
Installation Type	Unit of measure	Capacity/ Flow rate	litres/pers on/day (l/p/d)	Capacity/ Flow rate	litres/pers on/day (l/p/d)	Capacity/ Flow rate	litres/pers on/day (l/p/d)	Capacity/ Flow rate	litres/pers on/day (l/p/d)	Capacity/ Flow rate	litres/pers on/day (l/p/d)	Capacity/ Flow rate	litres/pers on/day (l/p/d)
WC	Single Flush	4	5.84	4	5.84	4	5.84	4	5.84	4	5.84	4	5.84
	Dual Flush	2.6	7.70	2.6	7.70	2.6	7.70	2.6	7.70	2.6	7.70	2.6	7.70
Taps (excluding kitchen taps)	Flow rate (litres/minute)	6	11.06	6	11.06	10	17.38	5	9.48	5	9.48	10	17.38
Bath (where shower also present)	Capacity to overflow (litres)	180	19.80	181	19.91	181	19.91	195	21.45	190	20.90	190	20.90
Shower (where bath also present)	Flow rate (litres/ minute)	8	34.96	8	34.96	5	21.85	8	34.96	8	34.96	5	21.85
Kitchen sink taps	Flow rate (litres/ minute)	8	13.88	8	13.88	10	14.76	8	13.88	8	13.88	10	14.76
Washing machine	litres/kg dry load		17.16		17.16		17.16	0	17.16	0	17.16	0	17.16
Dishwasher	litres/place setting		4.5		4.5		4.5	0	4.5	0	4.5	0	4.5
Waste disposal unit	litres/use		0		0		0	0	0	0	0	0	0
Water softener	litres/person/day		0		0		0	0	0	0	0	0	0
<b>Total calculated use (litres/person/day)</b>			114.9	115.0	109.1	115.0	114.4	110.1					
<b>Normalisation Factor</b>			0.91	0.91	0.91	0.91	0.91						
<b>Total internal Consumption</b>			<b>104.6</b>	<b>104.7</b>	<b>99.3</b>	<b>104.6</b>	<b>104.1</b>	<b>100.2</b>					
Building Regulations 17.k (Part G Compliance 125 l/p/d)	<b>External Use</b>		5		5		5		5		5		5
	<b>Total Consumption</b>		<b>109.6</b>		<b>109.7</b>		<b>104.3</b>		<b>109.6</b>		<b>109.1</b>		<b>105.2</b>

**Notes:**

- All flow rates may vary in use due to the temperature or pressure of the incoming water supply
- Where possible tap restrictions on housetypes with electric showers have remained inline with our Part G 125l/p/d compliance to offer a worse case calculation. Divisions can restrict these in line with housetypes with thermostatic showers if considered easier for site.