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)	5.8	1.46	0.00	8.47
	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)	5.10	1.58	1.58	9.64
Bath (where shower also present)	Capacity to overflow(litres)		0.11	0.00	0
Shower (where bath also present)	Flow Rate(litres / minute)		4.37	0.00	0
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)	9.33	5.60	0.00	52.27
Kitchen/Utility room sink taps	Flow rate (litres/minute)	8.85	0.44	10.36	14.25
Washing Machine	(Litres/kg dry load)	6.42	2.1	0.00	13.48
Dishwasher	(Litres/place setting)	0.76	3.6	0.00	2.74
Waste disposal unit	(Litres/use)	☐ 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)			109.73
	(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)			99.85
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			104.9

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WC (dual flush)	Gerbrit 109.051.00.1	17.35
Taps	Crosswater Mike Pro monobloc	9.64
Showers Only	Armitage Shanks Idealrain M1 shower kit (x2) + Idealrain round rain shower (x1)	52.27
Kitchen Taps	TAP 6050 Lamona Chrome Arroscia	14.25
Washing Machines	AEG L7WE7631B1	13.48
Dishwasher	AEG FSB42607Z	2.74

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System Requirements

Type of Dishwasher	Litres per place setting (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	0.76	1	0.76
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			0.76
Average litres per place setting = [(e)/(d)]			0.76
Maximum litres per place setting (f)			0.76
Weighted Average litres per place setting = [(f)x0.7]			0.53

Calculate

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System Requirements

Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	8.85	1	8.85
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			8.85
Average flow rate (litres/min) = [(e)/(d)]			8.85
Maximum flow rate (litres/min) (f)			8.85
Weighted Average flow rate (litres/min) = [(f)x0.7]			6.20

Calculate

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System Requirements

Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	☐		
1	8	2	16.00
2	12	1	12.00
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		3	
Total (Sum of all totals per fitting type) (e)			28.00
Average flow rate (litres/min) = [(e)/(d)]			9.33
Maximum flow rate (litres/min) (f)			12.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			8.40

Calculate

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System Requirements

Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	5.1	2	10.20
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		2	
Total (Sum of all totals per fitting type) (e)			10.20
Average flow rate (litres/min) = [(e)/(d)]			5.10
Maximum flow rate (litres/min) (f)			5.10
Weighted Average flow rate (litres/min) = [(f)x0.7]			3.57

Calculate

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Type of washing machine	Litres per kilogram of dry load (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	6.42	1	6.42
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.42
Average litres per kilogram of dry load = [(e)/(d)]			6.42
Maximum litres per kilogram of dry load (f)			6.42
Weighted Average litres per kilogram of dry load = [(f)x0.7]			4.49
Calculate			

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System Requirements

WC Type	Effective Flushing volume* (litres) (a)			Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	☐				
Dual Flush?	☑				
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	**(a)**		
1	5.8	3	3.924	2	7.85
Total (Sum of all Quantities) (d)				2	
Total (Sum of all totals per fitting type) (e)					7.85
Average effective flushing volume (litres)=(e)/(d)					3.93
Calculate					

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