

PRIVATE RESIDENCES

Outlets	Flow Rate litre/min	Total Usage Litre	Bathrooms in Home			
			1	1 1/2	2-2 1/2	3-4
Shower or Bathtub	18	132	132	132	200	264
Toilet	15	18	18	37	56	75
Kitchen Sink	18	11	11	11	11	11
Automatic Washer	18	132	-	68	68	68
Dishwasher	7	52	-	-	11	11
Normal 7 minute peak* demand (litres)			161	248	346	429
Minimum size pump required to meet peak demand without supplementary supply (divide peak demand by 7)			23	36	50	62

Notes:

Values are average and do not include higher or lower extremes.

*Peak demand can occur several times during morning and evening hours.

**Count the number of fixtures in a home including outside hose taps (bibbs). Supply 3.785 litres per minute each.

YARD FIXTURES

Garden Hose - 1/2"	11 litres/min
Garden Hose - 3/4"	22litres/min
Sprinkler - Lawn	11-26 litres/min

Alternate Capacity Method:

Calculate the number of bathrooms x 17.6 litre/min = ?
(Note that 1/2 baths are considered as full baths)

Note: Seven minutes are used here as an example of peak time, which may actually be longer or shorter.

FARM USE

Horse	45 litres/day
Dry Cow	56 litres/day
Milking Cow	132 litres/day
Pig	15 litres/day
Sheep	7 litres/day
Chickens/100	22 litres/day
Turkey/100	75 litres/day
Fire	75-227 litres/day