

Building Fixture Units – Table 7.6.3.2.A. Ontario Building Code

Main Unit (house)

Fixture Type	Hydraulic Load	Quantity	Hydraulic Load
Bathroom Group with 6 litres per flush (LPF) tank	3.6		
Bathroom Group with greater than 6 LPF flush tank	6.0		
Water Closet (Toilet) 6 LPF	2.2		
Water Closet greater than 6 LPF flush tank	3.0		
Lavatory (Bathroom Sink)	0.7		
Bathtub with or without Shower	1.4		
Shower (per head) with 9.5 l/min or less	1.4		
Kitchen Sink	1.4		
Dish Washer	1.4		
Clothes Washer	1.4		
Laundry Tub	1.4		
Hose Bibb (Outdoor Taps)	2.5		
Hydraulic Load Sub Total (A)			

Second Suite (within the house)

Fixture Type	Hydraulic Load	Quantity	Hydraulic Load
Bathroom Group with 6 litres per flush (LPF) tank	3.6		
Bathroom Group with greater than 6 LPF flush tank	6.0		
Water Closet (Toilet) 6 LPF	2.2		
Water Closet greater than 6 LPF flush tank	3.0		
Lavatory (Bathroom Sink)	0.7		
Bathtub with or without Shower	1.4		
Shower (per head) with 9.5 l/min or less	1.4		
Kitchen Sink	1.4		
Dish Washer	1.4		
Clothes Washer	1.4		
Laundry Tub	1.4		
Hose Bibb (Outdoor Taps)	2.5		
Hydraulic Load Sub Total (B)			

Secondary Dwelling (detached)

Fixture Type	Hydraulic Load	Quantity	Hydraulic Load
Bathroom Group with 6 litres per flush (LPF) tank	3.6		
Bathroom Group with greater than 6 LPF flush tank	6.0		
Water Closet (Toilet) 6 LPF	2.2		
Water Closet greater than 6 LPF flush tank	3.0		
Bathtub with or without Shower	1.4		
Shower (per head) with 9.5 l/min or less	1.4		
Kitchen Sink	1.4		
Dish Washer	1.4		
Clothes Washer	1.4		
Laundry Tub	1.4		
Hose Bibb (Outdoor Taps)	2.5		
Hydraulic Load Sub Total (C)			

Water Service Size

Total Hydraulic Load [Combined Hydraulic Load Sub Totals (A), (B), and (C)]	
Water Service Size – Copper or PEX (<i>see chart below</i>)	

Water Service Pipe Sizing Chart

Water Service Size	Maximum Hydraulic Loads		
	¾"	1"	1 ½"
Copper or PEX	16	31	57

Note:

If a fixture type is not listed (i.e., Bidet, Urinal, etc.) please refer to Part 7, Table 7.6.3.2.A of the Ontario Building Code or contact the Building Department for assistance (phone 705-726-4242 or email Service.Barrie@barrie.ca).