



Fixture or Device	Fixture Units	# of Fixtures	Total Fixture Units
Bathtub (with or without shower head)	1.4		
Bathroom Group	3.6		
Bathtub with ¾ inch spout	10		
Clothes washer 3.5 KG	1.4		
Dishwasher, domestic	1.4		
Hose bibb – ½"	2.5		
Lavatory, 8.3 LPM or less	0.7		
Sink, bar	1		
Sink, kitchen domestic, 8.3 LPM	1.4		
Sink, laundry (1 or 2 compartments)	1.4		
Shower head, 9.5 LPM or less per head	1.4		
Shower, spray, multi-head, per head	1.4		
Water closet, 6 LPF or less with flush tank	2.2		
Water closet, greater than 6 LPF with flush tank	3		
Other			
Total fixture unit load to building		Total	

Pipe Sizing – Single Family Dwelling or Duplex

Size of Water Pipe	Water Velocity
	2.4 m/s (Copper or PEX Piping)
	Hydraulic Load, fixture units
½"	7
¾"	16
1'	31
1 ¼"	57

Water Service Sizing Size of Water Pipe	Water Velocity
	2.4 m/s
	Hydraulic Load, fixture units
¾"	16
1"	31
1 ¼"	57

Water Pipe Size Required