



## PLUMBING FIXTURE FLOW RATES FOR NON-RESIDENTIAL



Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) installed in nonresidential buildings shall comply with the following requirements of 2019 CALGreen Sections 5.303.3 and 2019 California Plumbing Code Sections 407.0 through 420.2.1 effective on Jan 1, 2020:

PLUMBING FIXTURES & FITTINGS	MAXIMUM ALLOWABLE FLOW RATE
Water closets	1.28 gallons/flush <sup>1</sup>
Showerheads	1.8 gpm @ 80 psi
Kitchen faucets	1.8 gpm @ 60 psi <sup>2</sup>
Nonresidential lavatory faucets	0.5 gpm @ 60 psi
Wash Fountains	1.8 gpm/20" rim space @ 60 psi
Metering faucets	0.20 gallons/cycle
Metering faucets for wash fountains	0.20 gallons/cycle
Pre-rinse spray valve (with an integral automatic shut off)	1.6 gpm @ 60 psi
Urinals	0.125 gallons/flush for wall-mounted type and 0.5 gallons/flush for floor-mounted or other type
Commercial food waste disposer	1 gpm no load or 10 minutes auto off, 8 gpm max.

<sup>1</sup> Water closets types are either flush tank, flushometer tank, or flushometer valve and include single or dual flush toilets.

Single Flush Toilets: The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is the average flush volume when tested in accordance with ASME A112.19.2.

Dual Flush Toilets: The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is defined as the composite, average flush volume of two reduced flushes and one full flush. Flush volumes will be tested in accordance with ASME A112.19.2 and ASME A112.19.14.

<sup>2</sup> Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gpm @ 60 psi, and must default to a maximum flow rate of 1.8 gpm @ 60 psi.