

# WATER SAFETY AND EFFICIENCY REQUIREMENTS\*



Maximum flush cycle, maximum flow rate and other requirements summarized below.

EFFECTIVE JANUARY 1, 2020



## SINGLE-PASS SYSTEMS, INCLUDING ONCE-THROUGH COOLING

Prohibited



## TOILETS

4.8 L/flush  
Full flush on a dual-flush toilet shall not exceed 4.8 L



## URINALS

1.9 L/flush




## SHOWER HEADS

7.6 L/min



## LAVATORY FAUCETS

Private use 5.7 L/min  
Public use 1.9 L/min +  self-closing



## KITCHEN FAUCETS

Residential use 6.8 L/min  
Non-residential use 8.3 L/min



## PRE-RINSE SPRAY VALVES

4.8 L/min



## RESIDENTIAL LANDSCAPE IRRIGATION SYSTEMS

Pressure reducing valve may be required. Fertigation and chemigation prohibited.



## BUILDING WATER TREATMENT SYSTEMS

Operating permit required for new and existing systems.



## COOLING TOWERS AND EVAPORATIVE CONDENSERS

Operating permit required for new and existing systems.



## ALTERNATE WATER SYSTEMS, INCLUDING RAINWATER HARVESTING

Operating permit required for new and existing systems.



## DISHWASHERS



## CLOTHES WASHERS



## ICE MAKERS



## COMMERCIAL STEAM COOKERS



## COMBINATION OVENS



## GEOEXCHANGE SYSTEMS

Methanol use prohibited.  
Open-loop systems shall not discharge to sewer.



## VEHICLE WASH FACILITIES

**Automatic systems:** recycle at least 60% of water.  
**Self-service:** 11.4 L/min for foam brushes and spray wands.

For more information visit: [vancouver.ca/operating-permit](http://vancouver.ca/operating-permit)  
[vancouver.ca/building-bylaw](http://vancouver.ca/building-bylaw)

\*Summary does not include all applicable Vancouver Building By-law and Water Works By-law plumbing requirements.