

# WATER SAFETY AND EFFICIENCY REQUIREMENTS\*



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

EFFECTIVE JULY 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.



**DECORATIVE WATER FEATURES**  
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.