



Ontario Plumbing Inspectors Association Inc.

In the public service since 1920

Due to the addition of Sentence 7.6.5.1.(1) of the Ontario Building Code respecting the maximum temperature of hot water (not to exceed 49⁰C) supplied by fittings to fixtures in a residential occupancy; AND

Because Municipalities across the Province are not consistent regarding the interpretation and enforcement of this Sentence; AND

Because the Ontario Plumbing Inspectors Association Inc. (OPIA) promotes the uniform enforcement of plumbing regulations,

The OPIA Executive recommends to its members the following policy:

1. That a device, for controlling line water temperature in the potable water system, be installed on all water heater installations in residential occupancies; AND
2. That the device, known as a *Master Thermostatic Water-Mixing Valve*, must be certified to CSA Standard CAN/CSA B125-01 and factory set at 49⁰C and should be installed on the hot water distribution line as close as practical to the top of the water heater tank; AND
3. That the *Master Thermostatic Water-Mixing Valve* be installed by Certified Plumbers; AND
4. That this requirement be effective the first (1st) day of December 2004.

It is further recommended that:

1. Where the temperature that could be delivered to a faucet is significantly lower than 49⁰C due to site conditions (such as long runs of piping) that a point of use *Automatic Compensating Valve* certified to CSA Standard B125-01 and set at 49⁰C by the plumber be installed in lieu of the *Master Thermostatic Water-Mixing Valve* being installed at the tank; AND
2. Where a single faucet is replaced, the installation of an *Automatic Compensating Valve* be the responsibility of the home owner.

Rationale for this recommendation is based on:

- a) a recommendation of Safe Kids Canada; AND
- b) the fact that other supply fittings within the home would not be equipped with anti-scald devices, so the maximum temperature at the other outlets could exceed 49⁰C, depending on the heater thermostat settings.