

ThermoDrain™ Specifications

ONTARIO BUILDING CODE MODELS

ThermoDrain units are available in 3", 4" and 6" drain diameters and in all lengths. For 2" drain diameters, contact us for guidance.

TD342B-DR

3" Drain Diameter, 42" long
42.8% Efficient @ 9.5 Lpm
1.6 Psi pressure drop @ 9.5 Lpm
Includes 2 drain couplings

TD342B-DR-QUICK

Same as the TD342B-DR
+ 2 quick connect potable water fittings for FASTER installation
Compatible with PEX, copper and CPVC.
No soldering required.



WORKS WITH ALL HOT WATER HEATERS

ThermoDrain works with any type of hot water heater. Solar, instantaneous, gas hot water tank, electric hot water tank, geothermal etc. When you combine an instantaneous hot water heater with a ThermoDrain, you will notice a considerable increase in the hot water flow rate from your heater when showering. When ThermoDrain is combined with a tank hot water heater, you will get nearly three times more hot water for showering.



Intertek

WN 17031
Certified to B55.1 1-12
Certified to B55.2 2-12

Safety & Efficiency
Certified



Intertek

EcolInnovation Technologies Inc.

www.ecoinnovation.ca

T: 888.881.7693

F: 888.899.1135

info@ecoinnovation.ca

Hot Waste Water

Preheated Potable Water



Mechanical drain couplings included

Industry leading 10 year warranty

Designed to exceed industry standards

Options that allow faster installs

Superior quality & workmanship

Unparalleled support and training

Cold Potable Water



Cooled Waste Water



MADE IN CANADA
BY CANADIANS
FOR CANADIANS

ThermoDrain™

SUPERIOR DRAIN WATER HEAT RECOVERY SYSTEMS

MANDATORY*
UNDER THE 2017
ONTARIO BUILDING CODE



YOUR QUICK
drain water heat recovery
REFERENCE GUIDE

A MUST HAVE DOCUMENT
FOR ALL PLUMBERS

*under certain conditions

2017 Ontario Building Code Changes

Chapter 3 of the supplementary standard SB-12 to the 2012 Building Code – Energy Efficiency for Housing – has been amended to include drain water heat recovery units as a mandatory requirement for all prescriptive compliance packages.



3.1.1.12. Drain Water Heat Recovery

(1) Except as provided in Sentence (2), a drain water heat recovery unit shall be installed in each dwelling unit to receive drain water from all showers or from at least two showers where there are two or more showers in the dwelling unit.

(2) Sentence (1) does not apply to dwelling units in which:

- (a) there are no showers; or
- (b) there are no storeys or crawl spaces beneath any of the showers in the dwelling unit.

(3) Drain water heat recovery units shall conform to CSA B55.2, "Drain Water Heat Recovery Units".

(4) The minimum efficiency of a drain water heat recovery unit shall be determined in conformance with CSA B55.1, "Test Method for Measuring Efficiency and Pressure Loss of Drain Water Heat Recovery Units".

(5) The efficiency of a drain water heat recovery unit, when tested in accordance with Sentence (4), shall be not less than 42%.

- (6) A drain water heat recovery unit shall be installed
- (a) in an upright position that does not diverge more than 5 degrees from the vertical,
 - (b) in a position such that the cold water inlet connection is at the bottom of the unit,
 - (c) downstream of a water softener where a water softener is installed, and
 - (d) in a conditioned space or on the warm side of the dewpoint of the wall assembly.

**Under the Building Code Act, the local municipality is the authority having jurisdiction for enforcing the Act and its Regulations, and the permit applicants should contact the appropriate official with respect to any specific proposal. Always refer to the building code for up to date information.

Installation Options

The ThermoDrain is installed vertically on the main drain stack in order to capture most of the hot waste water used. The preheated potable water may be fed in a variety of configurations to either or both the water heater and cold side of the plumbing fixtures.

