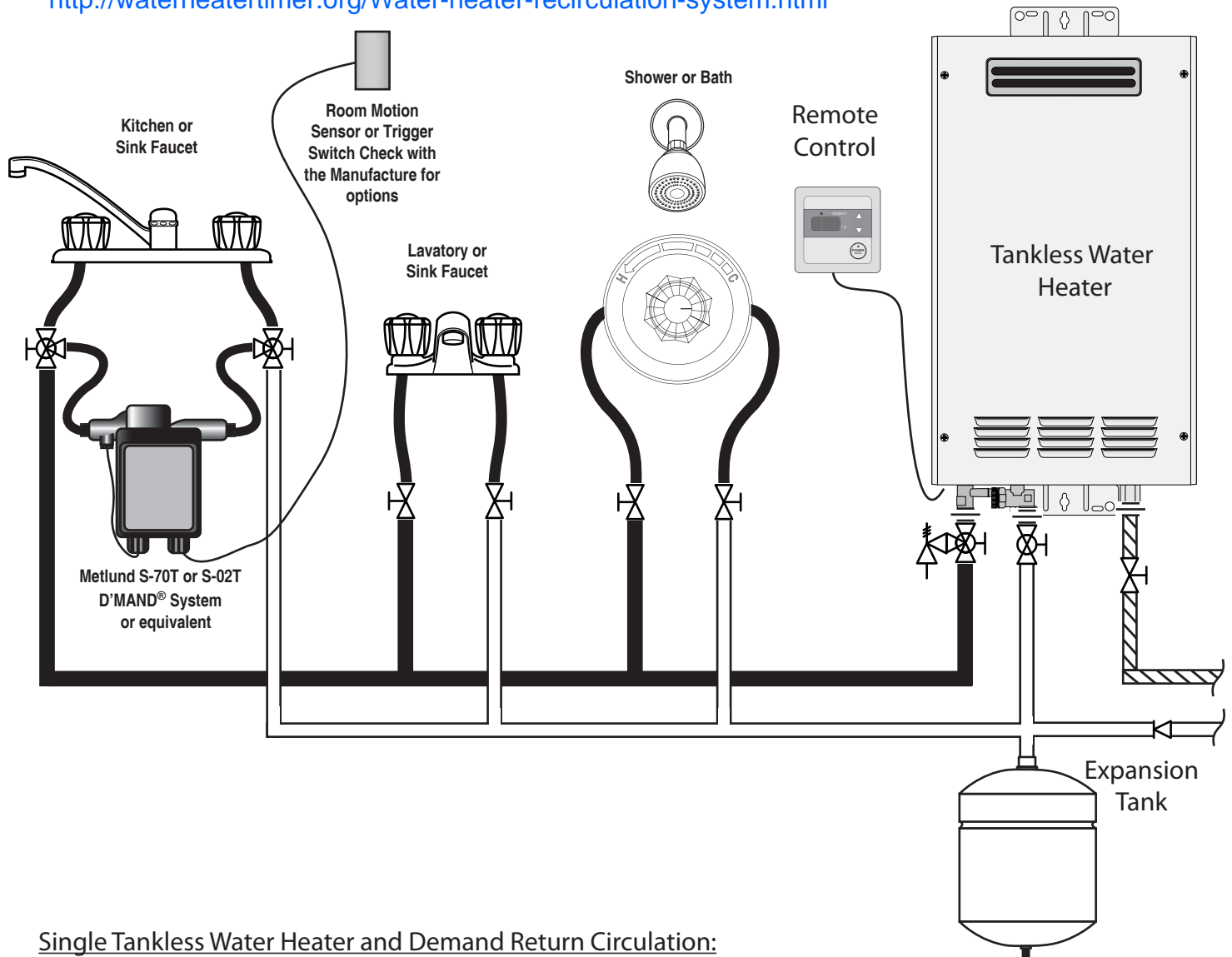


Tankless Water Heater Installation Diagrams

Tankless Installation / Demand Return Circulation

<http://waterheatertimer.org/Water-heater-recirculation-system.html>



Single Tankless Water Heater and Demand Return Circulation:

A demand return circulation system is one that the pump is controlled by system as to where the pump is only operated for a short duration to bring hot water to the desired fixture. A demand system operates with either a push button or motion detector and shut off as soon as hot water reaches the fixture. A circulation pump with a timer and/or aquastat is not considered a demand pump as they can continuously run.

The Metlund D'MAND® System is an alternative to a hot water circulation loop and operates in a manner that only runs when hot water is needed at the fixture. A demand system of this type does not impact the warranty of our tankless water heaters.

This drawing demonstrates a basic installation of a demand system with a tankless water heater. Follow the manufactures recommended installation instructions and guidelines.

Drawn by: SMT
Eng Approval: RM

Legend

	Cold Water Isolator Valve Assembly		Pressure Relief Valve		Shut-off Valve		Gas Pipe
	Hot Water Isolator Valve Assembly		Circulation Pump		Check Valve		Cold Water Pipe
			Union		Return Circulation Line		Hot Water Pipe

This drawing is intended as a guide only. It is not to be used as an alternative to a professionally engineered project drawing. This drawing does not imply compliance with local building codes. Installation may vary, depending on installation location, and must be done in accordance with all local building codes. Consult with local building officials prior to installation.