

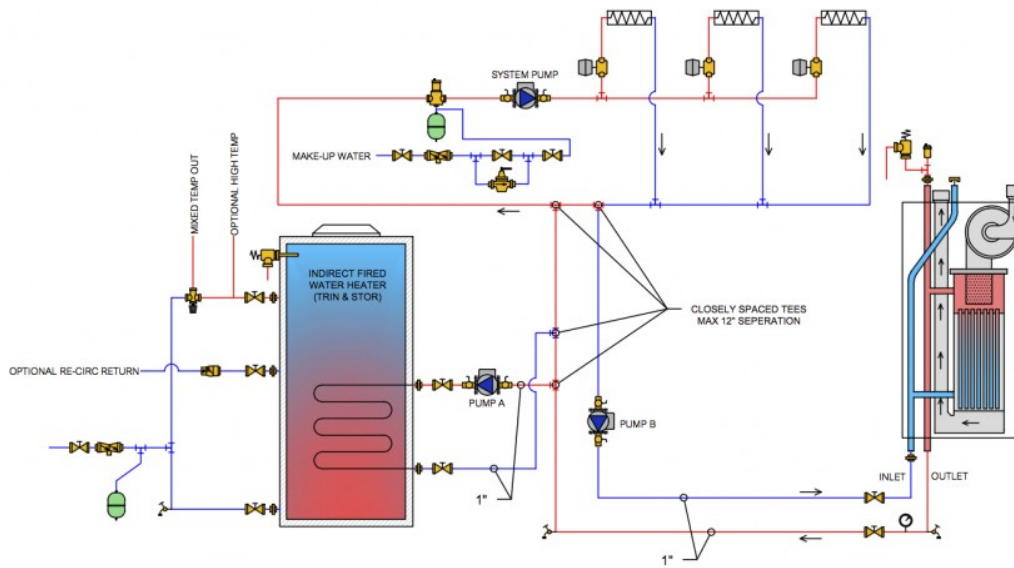
# Utilizing Boilers for Water Heating



If your hydronic or steam heating clients are using gas-fired or electric storage water heaters, they could be missing out on significant energy savings. When it comes time for them to replace their existing water heater, you could do them a huge favor by suggesting an indirect-fired water heater. Using the existing space heating boiler as a heat source for domestic water can increase efficiency and reduce recovery times, providing more hot water for less money. In this blog, we'll touch on the advantages of indirect-fired water heaters as well as our favorite options here at Able Distributors.

The basic principle of indirect-fired water heating is simple. Indirect-fired water heaters are basically a storage tank with a heat exchanger. Water or steam is heated by the boiler then circulated through the indirect water heater's heat exchanger, which extracts the heat and transfer it to the water stored within the tank. If you have customers who have already invested in a high-efficiency boiler, why not allow them to take advantage of that equipment in as many applications as possible? While high-efficiency boilers obviously offer this advantage, that doesn't mean that hooking up a mid-range boiler won't provide serious benefits as well. Chances are that your clients boilers have higher capacities than their water heaters. By utilizing this capacity in water heating, they'll see less down time before hot water availability in cases of high demand.

## Trinity TFT 60-110 w/ Indirect Water Heater (Trin & Stor) + Single System Circulator



NOTICE: This illustration is used for system piping concept only.

LEGEND							
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	3-way mixing valve		globe valve		check valve		temperature gauge
	central air separator		isolation valve		union		cap
	auto air vent		pressure reducing valve		strainer		drain valve
	backflow preventer		pressure relief valve		zone valve		
	flow-check valve		pressure & temperature valve		expansion tank		
	pressure gauge		circulator w/ isolation flanges		flow switch		

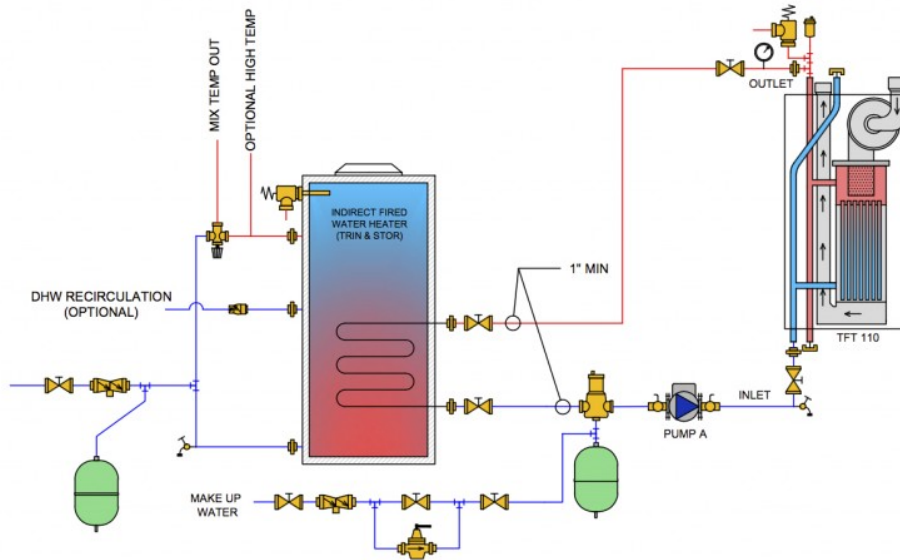


DWG BY - SMCALDER	TITLE: TFT60-110_WITH_INDIRECT_WATER_HEATER+ SINGLE_SYSTEM
CHKD BY - SMCALDER	MODEL: TFT60-110 + Indirect Tank + Single System Circulator
APPD BY - APPROVER	DWG NO.
EFF DATE - 2014-06-10	

In terms of indirect-fired water heater recommendations, NTI's Trin & Stor S Series is near the top of our list. The S Series utilizes stainless steel for the tank, heat exchanger, and fittings. This choice of materials provides the perfect balance of durability and heat transfer efficiency. The tank is passivated before leaving the factory to provide an extra layer of protection against corrosion. To reduce standby heat losses, NTI employs a 2" thick layer of expanded polystyrene foam. NTI stands by their S Series indirect-fired water heaters with a seven-year parts warranty and a limited lifetime warranty on the tank, meaning that your clients are covered for as long as they live in their current home. The S Series is available in 40, 53, 79, and 119 gallon models.

(1-20-09)\\R&D\\CAD BLOCKS\\PLUMBING SCHEMATIC COMPONENT DRAWINGS\\PLUMBING SCHEMATIC LAYOUTS\\TFT SERIES\\TFT60-110\_WITH\_INDIRECT\_WATER\_HEATER.DWG LAYOUT

## Trinity TFT60-110 w /Indirect Water Heater (Trin & Stor)



NOTICE: This illustration is used for system piping concept only.

LEGEND							
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	3-way mixing valve		globe valve		check valve		temperature gauge
	central air separator		isolation valve		union		system sensor
	auto air vent		pressure reducing valve		strainer		cap
	backflow preventer		pressure relief valve		zone valve		drain valve
	flow-check valve		pressure & temperature valve		expansion tank		baseboard
	pressure gauge		circulator w/ isolation flanges		flow switch		zone load



DWG BY - SMCALDER  
CHKD BY - SMCALDER  
APPD BY - ENGINEERING  
EFF DATE - 2014-06-10

TITLE: TFT60-110\_WITH\_INDIRECT\_WATER\_HEATER  
MODEL: TFT60-110 + Indirect Tank  
DWG NO.

The advantages of indirect water heating are numerous and obvious, but many homeowners are unaware of them. Next time you have a client with a boiler looking to replace their water heater, take the time to educate them on this option. It can even serve as a gateway to discuss retrofitting their heating system with a higher-efficiency boiler for maximal long-term savings. As always, you can contact your local Able Distributors branch for more information or to place an order today.