![TriangleTube logo]

Smart Multi Energy Tank

The Cutting Edge of Renewable Energy Technology

The SME "Hybrid Tank" is ideal for Solar and Ground Source Heat Pump Applications

Triangle Tube's Smart Multi-Energy Tank (SME) is the only one of its kind. The SME features a corrugated stainless steel storage tank/heat exchanger suspended within a carbon steel tank. There is also a secondary heat exchanger coil located in the primary water at the bottom of the unit. The large heating surface area and large volume of primary water (stored energy) in the SME tank not only ensures high domestic hot water performance, but also ensures that all energy from your renewable source is absorbed in the tank, reducing fuel bills and carbon emissions.
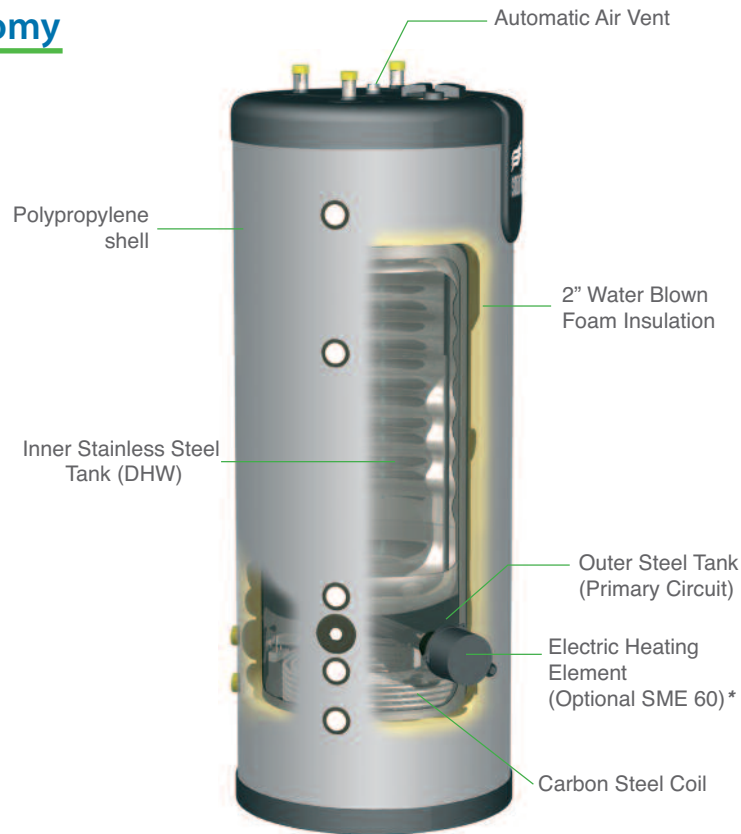
The SME features 2" of water blown foam insulation with a standby heat loss of less than 1° per hour.
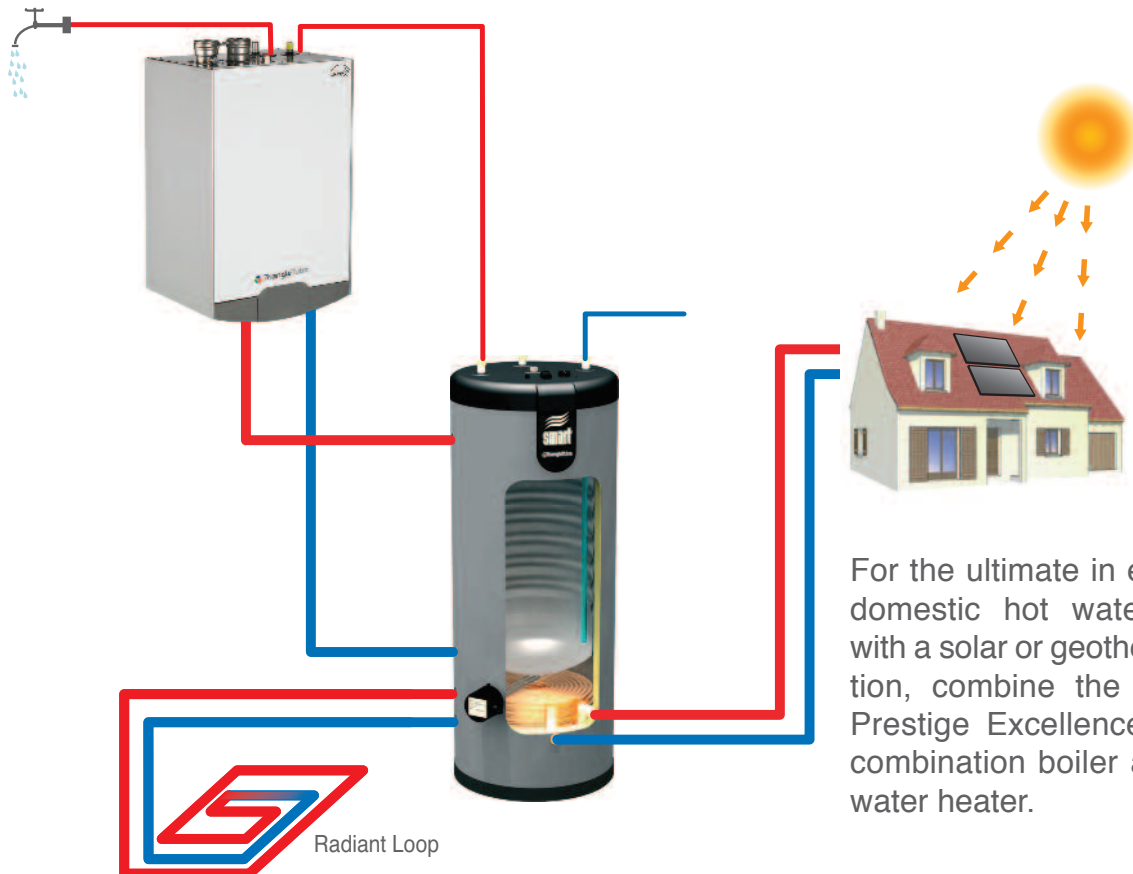
"Tank-in-Tank" Technology

Featuring a 10 year non prorated residential warranty

SMART SME Anatomy

Automatic Air Vent

Polypropylene shell

2" Water Blown Foam Insulation

Inner Stainless Steel Tank (DHW)

Outer Steel Tank (Primary Circuit)

Electric Heating Element (Optional SME 60) *

Carbon Steel Coil

The electric element should be used for supplementary heat only and should never be considered as a sole source of energy.

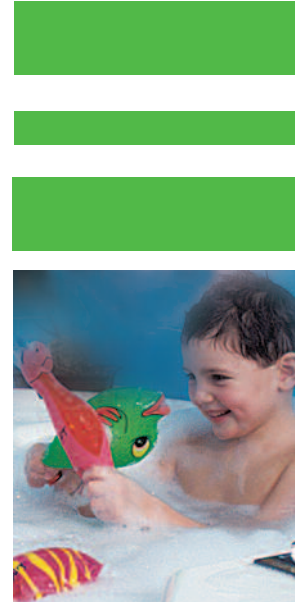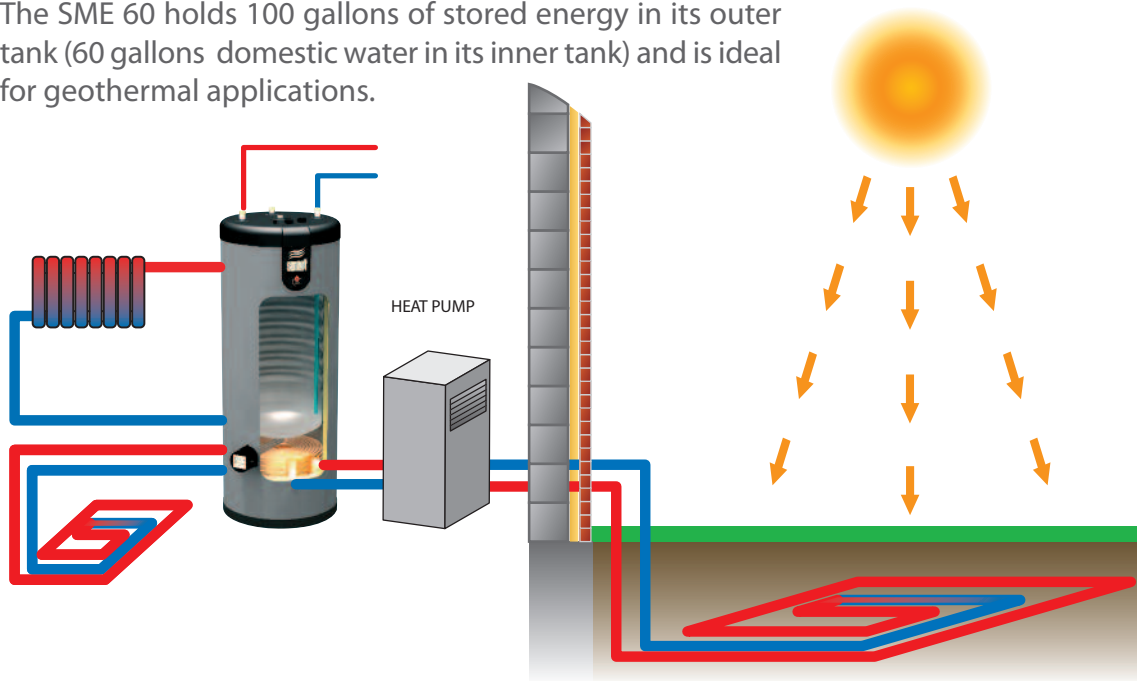## SME with Prestige Excellence Boiler and Domestic Water Heater

Radiant Loop

For the ultimate in efficiency and domestic hot water production with a solar or geothermal application, combine the SME with a Prestige Excellence condensing combination boiler and domestic water heater.
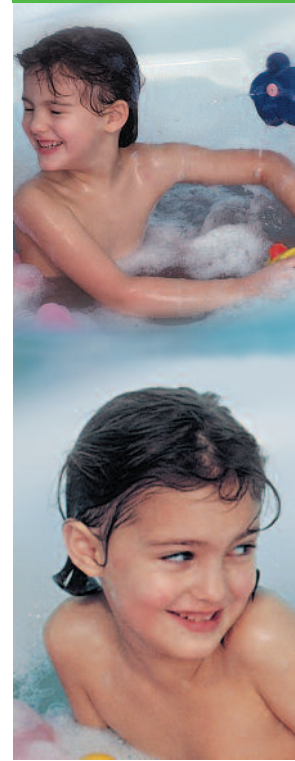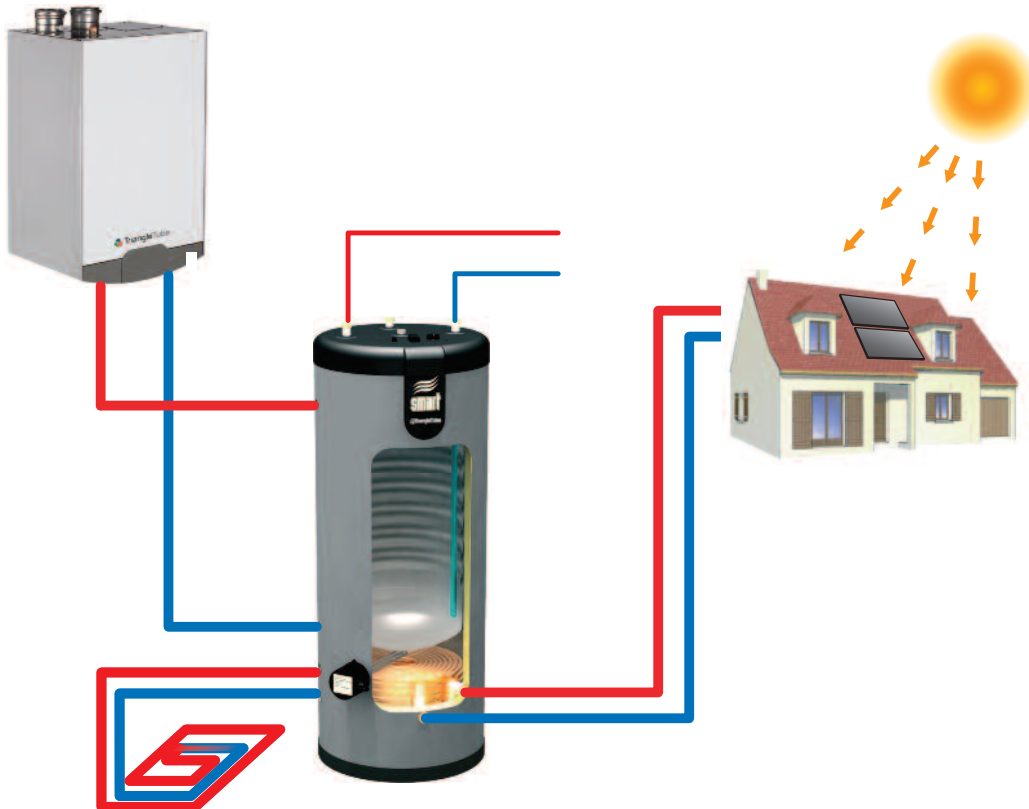
Typical Applications

Geothermal Heat Pump

The SME 60 holds 100 gallons of stored energy in its outer tank (60 gallons domestic water in its inner tank) and is ideal for geothermal applications.
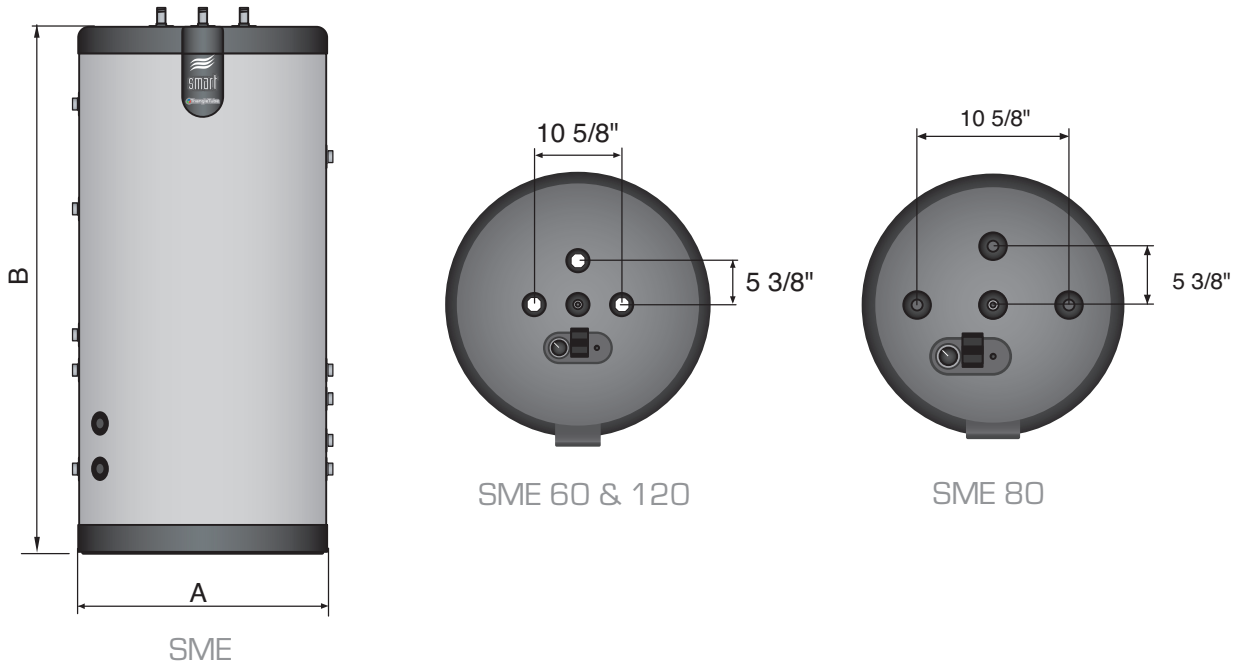
HEAT PUMP

Solar with Prestige Boiler Back Up

Back up your solar system with a 95% efficient Prestige Condensing Boiler.

Dimensions

SME

10 5/8"

5 3/8"

SME 60 & 120

10 5/8"

5 3/8"

SME 80

Specifications

Model		SME 60		SME 80		SME 120	

Capacity
  Domestic (inner tank)
  Primary (outer tank)
  Coil
	Gal.	60
		100
		4
				70
				33
				3
						105
						66
						4	

Coil Heating Surface Inner Tank Surface Area	Sq. ft.	27 24		20 29		27 37	

Connections
  Domestic
  Primary
	Inches	3/4"
		1"
				1 1/2"
				1"
						1 1/2"
						1"	

Performance 1st Hour		Temperature Rise - 50° DHW Inlet					
		90°	70°	90°	70°	90°	70°

Heating Source: (180° supply)
  Tank
  Coil
	GPH	149
		106
			241
			181
				202
				99
					310
					156
						220
						174
							333
							246

Electric Element 6 kW Capacity	kW	N/A	66	N/A		N/A	

Dimensions
  Diameter - (A)
  Height - (B)
	Inches
	∅
		32"
		73"
				26"
				75"
						32"
						77"	

Primary Pressure Drop Coil Pressure Drop	Ft/Hr	5 3		3 7		2 3	
Empty Weight	Lbs	430		295		500	