



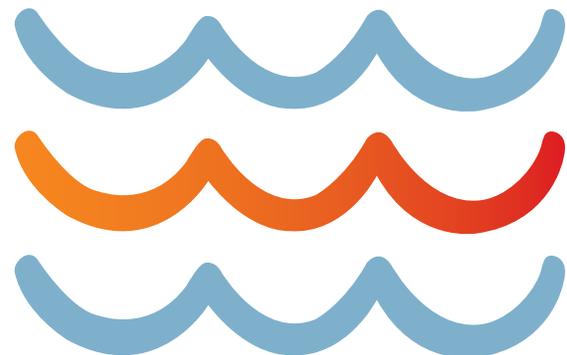
The new degree of comfort.™

# SOLAR SOLUTIONS



**The Solar Water Heater  
Line from Rheem:**  
Delivers high efficiency and  
low energy costs

- SolPak™ Active
- Solaraide™ Passive
- Solar Collectors
- And more!



# SolPak™ Active / Electric Backup

SolPak active water heater package systems are available in 65, 80 and 120-gallon capacities.



## System

- Closed loop system – glycol design
- Single and double collector systems
- System includes – Solaraide HE tank, collectors and pump station

## Heat Exchanger Tank

- 65, 80 and 120-Gallon capacities
- 4500 Watts
- Provides at least 40 gallons of stored hot water
- Double wall, high efficiency solar heat exchanger
- Collector feed and return fittings located on front of tank for easy installation
- Cold water inlet brings cold water to tank bottom to prevent mixing with heated water
- Rheemglas® tank lining

## Collectors

- OG-100 certified by SRCC
- Available in three sizes
- Integral mounting channel

## Pump Station

- Pre-engineered assembly of quality components in a neat, compact insulated enclosure
- Includes cast iron three speed pump, advanced differential controller and balancing valve and flow meter

## System Certifications

- OG-300 certification by SRCC

## Warranty

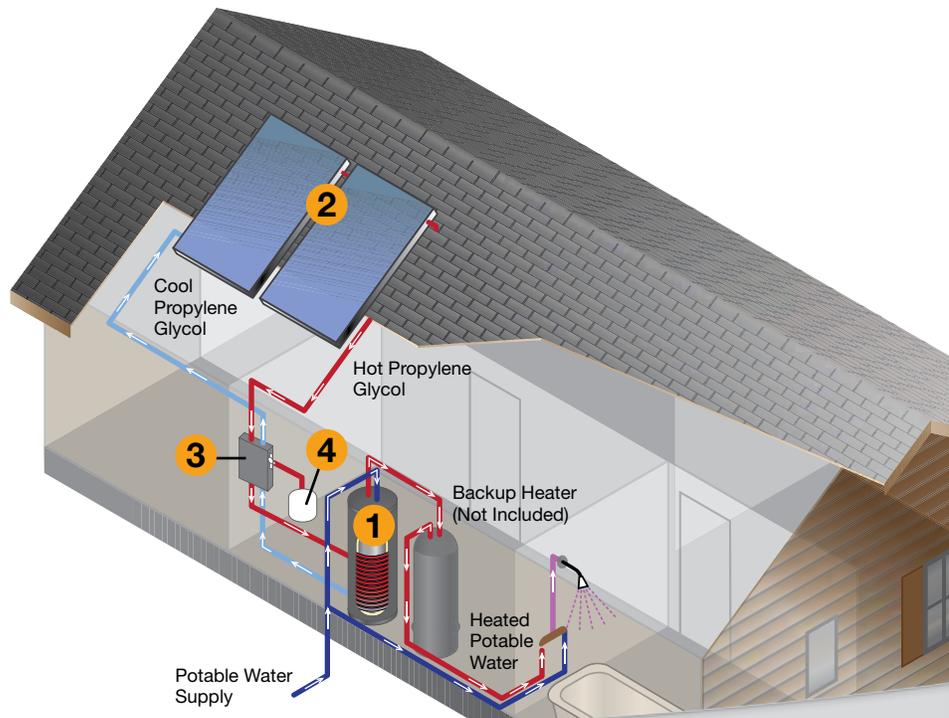
- 6-Year limited tank, 10-year limited collector and 6-year limited pump station

Please refer to Residential and SolPak Warranty Certificates.

SYSTEM INFORMATION			COLLECTOR INFORMATION										WATER HEATER INFO.				
STORAGE CAPACITY (US GAL)	SYSTEM MODEL NUMBER	SOLAR ENERGY FACTOR*	NUMBER OF COLLECTOR PANELS	ABSORBER COATING	WIDTH (INCHES)	LENGTH (INCHES)	DEPTH (INCHES)	AREA SQ. FT. (GROSS)	DRY WEIGHT (LBS)	FLUID CAPACITY (US GAL)	DESIGN FLOW RATE (GPM)	MAX FLOW RATE (GPM)	MAX. OPERATING PRESSURE	HEIGHT (INCHES)	DIAMETER (INCHES)	APPROX. WEIGHT (LBS)	ELEMENT WATTAGE
65	RS65-24BP	1.4	1	Black Paint	36-1/8	98-1/4	3-1/4	24.61	80	.78	0.62	12	160	59	21	170	4500 W
65	RS65-32BP	1.7	1	Black Paint	48-1/8	98-1/4	3-1/4	32.19	106	1.0	0.83	12	160	59	21	170	4500 W
65	RS65-40BP	1.9	1	Black Paint	48-1/8	122-1/4	3-1/4	40.81	191	1.2	1.04	12	160	59	21	170	4500 W
80	RS80-40BP	2.4	1	Black Paint	48-1/8	122-1/4	3-1/4	40.81	141	1.2	1.04	12	160	58-3/4	24-1/2	222	4500 W
80	RS80-48BP	2.6	2	Black Paint	36-1/8	98-1/4	3-1/4	24.61	80	.78	0.62	12	160	58-3/4	24-1/2	222	4500 W
120	RS120-64BP	3.2	2	Black Paint	48-1/8	98-1/4	3-1/4	32.79	106	1.0	0.83	12	160	62	28-1/4	380	4500 W

\* As rated by the Solar Rating & Certification Corporation (SRCC)  
Energy Factor determined by U.S. Department of Energy (D.O.E.) test procedures.

- 1 Heat Exchanger Tank
- 2 Collectors
- 3 Pump Station
- 4 Thermal Expansion Tank



# SolPak™ Active / Gas Backup

SolPak active water heater systems with a gas assist exchange tank are available in 75-gallon capacities.



## System

- Closed loop system – glycol design
- Perfect replacement for current gas water heating system
- System includes – Solaraide™ HE gas storage tank, collectors and pump station

## Heat Exchanger Tank

- 75-Gallon capacity
- 75.1 Btu/h – natural gas
- Double wall, high efficiency solar heat exchanger
- Low NOx burner design
- Gas backup heating source
- Rheemglas® tank lining

## Collectors

- OG-100 certified by SRCC
- Available in two sizes
- Durable low iron tempered glass
- Integral mounting channel

## Pump Station

- Pre-engineered assembly of quality components in a neat, compact insulated enclosure
- Includes cast iron three speed pump, advanced differential controller and balancing valve and flow meter

## System Certifications

- OG-300 certification by SRCC pending

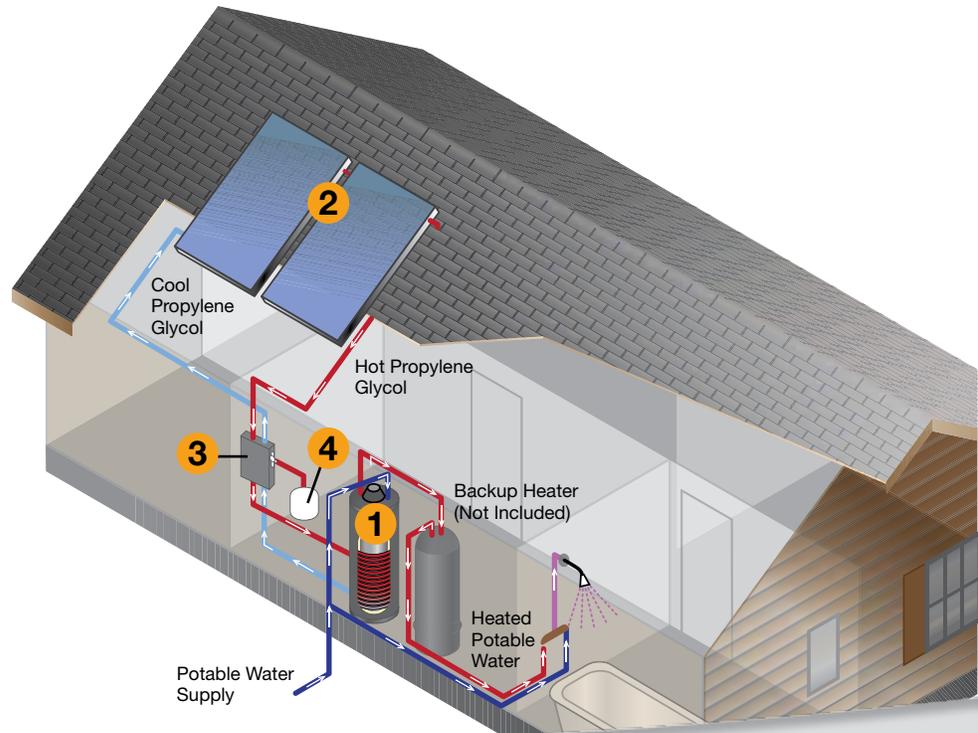
## Warranty

- 6-Year limited tank, 10-year limited collector and 6-year limited pump station

*Please refer to Residential and SolPak Warranty Certificates.*

SYSTEM INFORMATION			COLLECTOR INFORMATION											WATER HEATER INFORMATION			
STORAGE CAPACITY (US GAL)	SYSTEM MODEL NUMBER	SOLAR ENERGY FACTOR	NUMBER OF COLLECTOR PANELS	ABSORBER COATING	WIDTH (INCHES)	LENGTH (INCHES)	DEPTH (INCHES)	AREA SQ. FT. (GROSS)	DRY WEIGHT (LBS)	FLUID CAPACITY (US GAL)	DESIGN FLOW RATE (GPM)	MAX. FLOW RATE (GPM)	MAX. OPERATING PRESSURE	HEIGHT (INCHES)	DIAMETER (INCHES)	APPROX. WEIGHT (LBS)	BTU/H INPUT
75	RSG75-48BP	-	2	Black Paint	36-1/8	98-1/4	3-1/4	24.61	80	.78	0.62	12	150	60	26-1/4	340	75.1
75	RSG75-40BP	-	1	Black Paint	40-1/8	122-1/4	3-1/4	40.81	141	1.20	1.04	12	160	60	26-1/4	340	75.1

- 1 Heat Exchanger Tank
- 2 Collectors
- 3 Pump Station
- 4 Thermal Expansion Tank



# Solaraide™ Passive

Solaraide passive water heating systems are available in 47 and 80-gallon storage capacities.



47 Gallon system includes a single collector panel for homes with 1-1/2 baths



80 Gallon system includes two collector panels for homes with 2 or 3 baths



## System

- Passive design, requires no pumps or controllers
- Available in two system configurations: RS47-21BP, 47 gallon storage capacity and RS80-42BP, 80 gallon storage capacity
- Complete system includes tank, collector(s), installation kit, and heat transfer fluid
- Closed loop, indirect heat exchange
- OG-300 Certification by SRCC

## Collectors

- Black polyester powdercoat collector absorber coating
- 35 multi-flow risers for faster heat transfer
- OG-100 certified by SRCC
- Flat plate design

## Warranty

- 5-Year limited tank, collector and parts

Please refer to Residential Warranty Certificate.

## Tank

- Single wall external heat exchanger completely surrounds storage tank
- Rugged steel tank with vitreous enamel tank lining
- Immersion, copper sheath backup element

STORAGE CAPACITY (US GAL)	SYSTEM MODEL NUMBER	SOLAR ENERGY FACTOR*	DESCRIPTION				ROUGHING IN DIMENSIONS					
			NUMBER OF COLLECTOR PANELS	WORKING PRESSURE (TANK)	DELIVERY CAPACITY (SOLAR)	BACKUP ELEMENT SPECIFICATIONS	SYSTEM (IN INCHES)		TANK (IN INCHES)	COLLECTOR (IN INCHES)	APPROX. SYSTEM WEIGHT	
							LENGTH	WIDTH			EMPTY	FULL
47	RS47-21BP	1.3	1	145 PSI	42.3 GAL.	2.4kW, 240V	97-1/2	58-1/2	58.5 x 20.1 x 20.1	76.3 x 40.3 x 3.04	236 lbs.	641 lbs.
80	RS80-42BP	1.5	2	145 PSI	68 GAL.	2.4kW, 240V	97-1/2	91	90.9 x 20.1 x 20.1	76.3 x 40.3 x 3.04	402 lbs.	1,079 lbs.

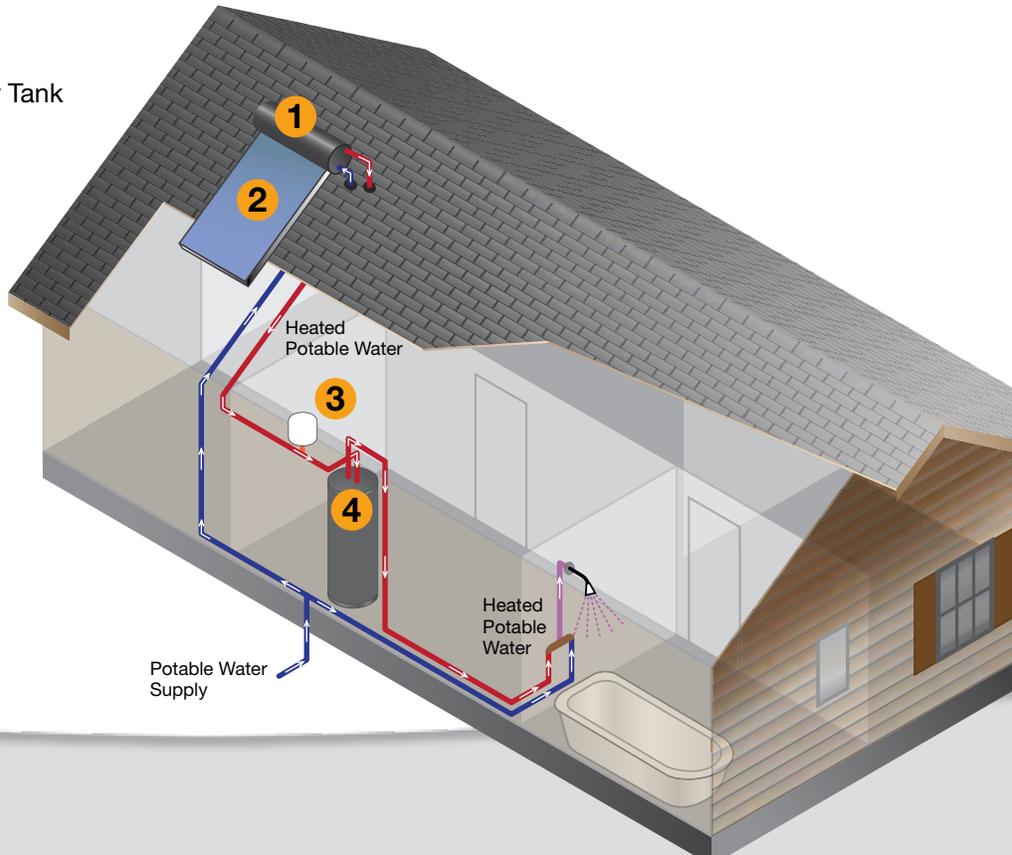
\*As rated by the Solar Rating & Certification Corporation (SRCC)

Thermosiphon Heat Exchanger Tank

Collectors

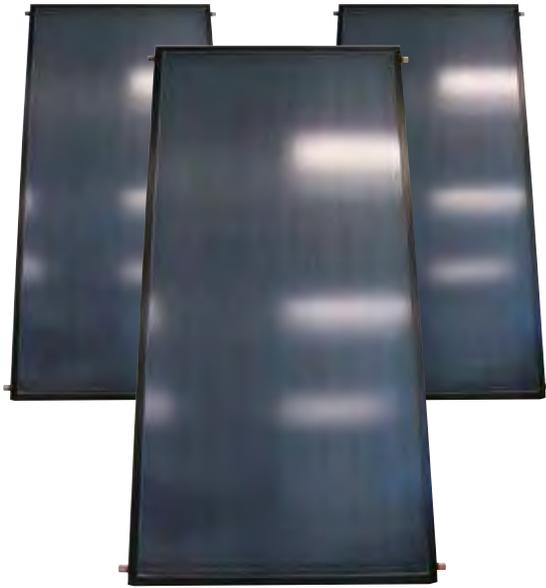
Thermal Expansion Tank

Existing or Backup Water Heater (Not Included)



# Solar Collectors

Rheem's solar collectors are available in 3 sizes and come with a 10-year collector warranty.\*



## Collectors

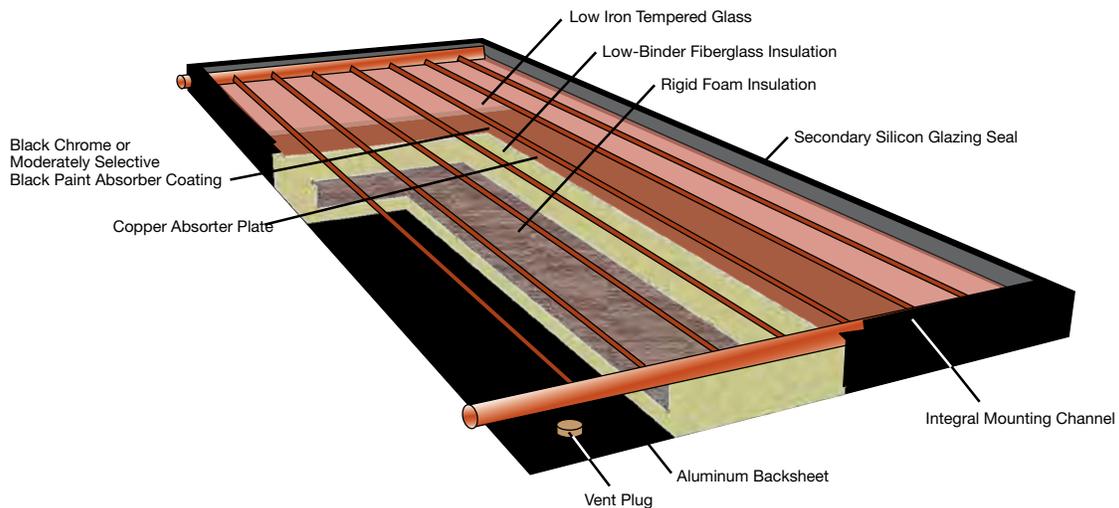
- OG-100 certified by SRCC
- Durable low iron tempered glass
- Integral mounting channel for easy installation
- Stainless steel fasteners
- Suitable for open and closed loop systems
- Copper absorber plate
- Can be mounted horizontally or vertically

\*Please refer to Residential Warranty Certificate.

THERMAL PERFORMANCE RATINGS* BP SERIES			
Btu / ft <sup>2</sup> / Day			
Category (Ti-Ta) Ti = inlet fluid temp. Ta = ambient air temp.	CLEAR DAY 2000 Btu / ft <sup>2</sup> / Day	MILDLY CLOUDY DAY 1500 Btu / ft <sup>2</sup> / Day	CLOUDY DAY 1000 Btu / ft <sup>2</sup> / Day
A(-9°F)	1,284	971	659
B(9°F)	1,169	854	542
C(36°F)	984	677	372
D(90°F)	619	343	89
E(144°F)	280	62	-

MODEL NUMBER	ABSORBER COATING	WIDTH (INCHES)	LENGTH (INCHES)	DEPTH (INCHES)	AREA SQ. FT.	DRY WEIGHT (LBS.)	FLUID CAPACITY	DESIGN FLOW RATE (GPM)	MAX FLOW RATE (GPM)	MAX OPERATING PRESSURE
RS24-BP	Black Paint	36-1/8	98-1/4	3-1/4	24.61	80	0.78	0.62	12	160
RS32-BP	Black Paint	48-1/8	98-1/4	3-1/4	32.79	106	1	0.83	12	160
RS40-BP	Black Paint	48-1/8	122-1/4	3-1/4	40.81	141	1.2	1.04	12	160

Thermal performance is obtained by multiplying the collector output for the appropriate application and insolation level by the total gross collector area.  
\*Collector ratings are derived from the Solar Rating & Certification Corp (SRCC) Document RM-1 and Standard OG-100.





The new degree of comfort.™



Solar Water Heaters

## More Rheem Solar Water Heating Solutions!



### SolPak™ Pump Master

Get easy, time saving installation with this complete package for closed loop glycol systems



### Solaraide™

A universal storage tank and electric storage water heaters for solar applications



### Solaraide™ HE

Solar heat exchanger, solar tank, or electric storage water heater



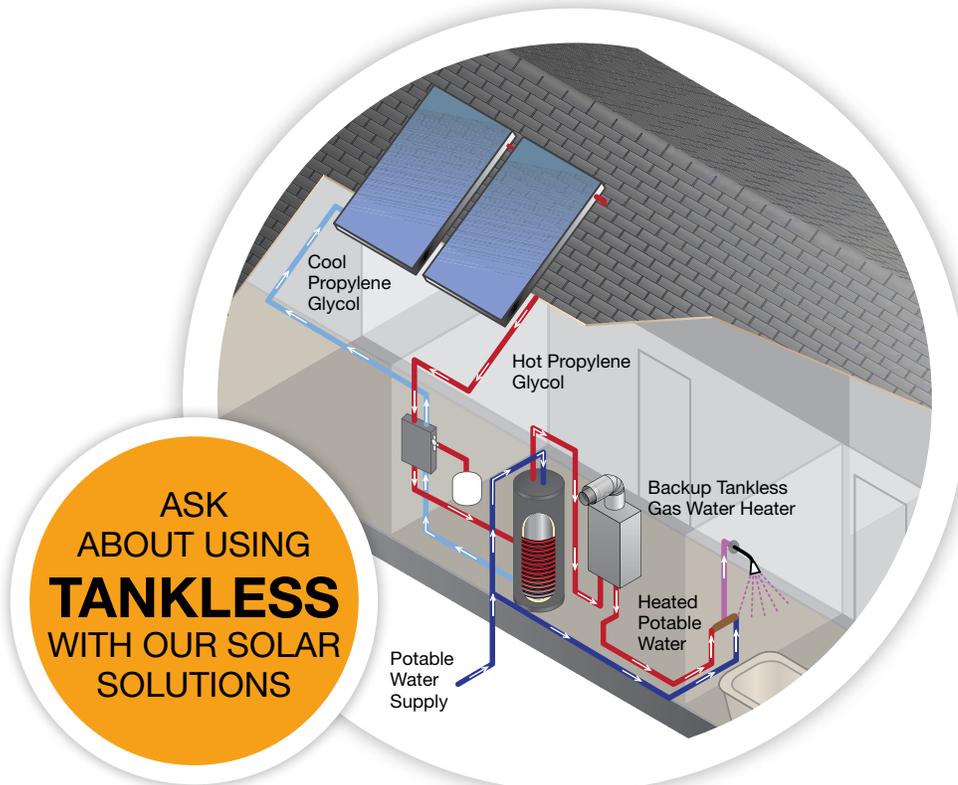
### Marathon® Thermal Storage Tanks

Specifically designed for solar applications



### Solaraide™ HE Tank with Gas Assist

For use in residential closed loop solar water heating applications



Additional state and local incentives may also be available. Please consult with your tax advisor for eligibility requirements and amount of tax credit.

*In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.*

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