

A. O. Smith Cirrex® Deluxe Solar Water Heating System Advantages

Deluxe Solar Package System (80 Gallon Tank - 2 Collectors)	QTY	AOS	Rheem
80 gallon solar booster tank with supplemental electric heat	1	Yes	Yes
Solar Collectors	2	Yes	Yes
Contractor Rewards Program	1	Yes	No
Pump Station, Indirect 1/2" US (PAW)			
Controller	1	Yes	Yes
Pump	1	Yes	Yes
Pressure relief valve	1	Yes	Yes
Pressure gauge	1	Yes	Yes
Fill valve	1	Yes	Yes
Drain valve	1	Yes	Yes
Flow meter	1	Yes	No
Collector temperature sensor	1	Yes	No
Tank temperature sensor	1	Yes	No
Thermometers (2)	2	Yes	No
Air separator	1	Yes	No
Flow control valve	1	Yes	No
Isolation valves	2	Yes	No
Mounting bracket/ with housing	1	Yes	No

A.O. Smith Pump Station



Rheem Pump and Control Parts



The A. O. Smith Pump Station is an all-in-one programmable temperature and flow control device included in both Standard and Deluxe Solar Package Systems. The A. O. Smith Pump Station optimizes the solar contribution to maximize savings and performance. The Pump Station includes: a multiple speed pump, flow control valve, flow meter, fill and drain valves, air separator, isolation valves, check valves, pressure relief valve, pressure gauges and thermometers. Installation and setup is achieved by following one set of instructions.

The Rheem package does not include all the necessary system components the A. O. Smith integrated Pump Station provides. The pump and controls that are included come separate and will require approximately 2-3 hours of additional labor for installation and setup.

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Outdoor Pipe Insulation	QTY	AOS	Rheem
Pipe Insulation (UV Resistant/300°F) 6' pc 1/2" tube	1	Yes	No
Pipe Insulation (UV Resistant/300°F) 6' pc 1" tube	1	Yes	No
Miscellaneous Parts Box			
Manual, Solar Installation	1	Yes	Yes
Valve, Hot Water Temperature Control	1	Yes	Yes
Tank, Expansion (Stratford "S2I")	1	Yes	Yes
Glycol, Propylene (DOWFROST) -5-gallon	1	5 gal.	4 gal.
Valve, Air Vent	1	Yes	No
Temperature Sensor Control Wire Assembly 75' Roll	1	Yes	No
Tape, Stretch & Seal	1	Yes	No
Sealant, Roof & Flashing	1	Yes	No
Kit, Sweat Fitting (2-collector)	1	Yes	No
Kit, Fastener (2-collector)	1	Yes	No
Threaded Rod Assembly 3/8"-16 SS (2 collector)	1	Yes	No
Kit, Solar Mounting Strut (2-Collector)	1	Yes	No
Plumbing Hardware (2 collector)			
Solar panel connection (NIBCO 733 Series)	2	Yes	No
Tank connections	2	Yes	No
Tank to 3/4" tube(NIBCO 604 Series)	2	Yes	No
Tube to Pump Kit (NIBCO 603 Series)	2	Yes	No
Solar panel end connections (NIBCO 617 Series)	2	Yes	No
1/2" tubing to 1" on collector (NIBCO 600R Series)	1	Yes	No
For Air Bleed Valve at collector (NIBCO 712R Series)	1	Yes	No
For 1" air bleed tee to 1/2" tubing	1	Yes	No
For Sweat Kit.	1	Yes	No
Roof Mounting Kit (2-collector)			
Nut, Channel w/Spring 3/8"-16 SS	8	Yes	Yes
Clip-Panel Retainer	8	Yes	Yes
Strut-Solar Mounting 4"	8	Yes	Yes
† Composite Roof Flashings for Collector Mounts	8	Yes	No
† Composite Roof Flashings for Piping	2	Yes	No
Bolt, Hex Head 3/8"-16 x 1.5" SS	8	Yes	No
Nut, Locking 3/8"-16 SS	16	Yes	No
Washer, Flat 3/8" SS	16	Yes	No
Washer, Lock 3/8" SS	24	Yes	No
Washer, Fender 3/8"	8	Yes	No
Nut, Wire Orange	4	Yes	No
Rod, Threaded 3/8"-16 x 12" SS	8	Yes	No

A.O. Smith Deluxe Solar Package Systems include approximately \$575 (estimated wholesale) in components and hardware that are not included in the Rheem package.

The Deluxe Solar Package System will save the installer approximately 4 to 5 hours in additional labor required to track down and install these components and hardware.

† Ten roof flashings are provided for composite roof penetrations with the A. O. Smith Deluxe Solar Package Systems. Not using flashings for every roof penetration will void the roofing manufacturer's warranty for the majority of homes in North America. Accessory kits are available for other roof types including; corrugated, flat/membrane and tile roofs.