

# SRCC OG-300 Certified Solar System Packages



## Information

March 2009

The solar water heating systems listed below have been evaluated by the Solar Rating and Certification Corporation (SRCC) in accordance with SRCC Document OG-300, *Operating Guidelines and Minimum Standards for Certifying Solar Water Heating Systems*.

They have been certified by the SRCC as meeting the minimum standards for design, installation, operation and maintenance, performance and reliability. An independent laboratory accredited by the SRCC has conducted performance testing of a sample unit, and the balance of the system has been modeled using TRNSYS, a computer simulation code developed by the University of Wisconsin.

### System Package 1 (OG-300 System Reference 2007029A)

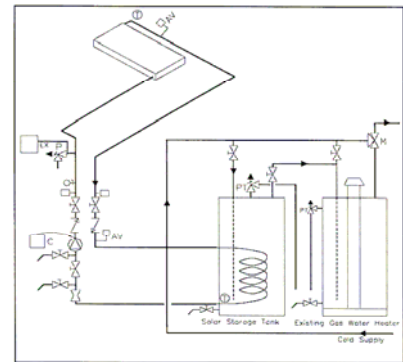
System Model: 1-200F-200V-G

Solar Energy Factor = 0.8

Sizing: 1-2 People, 20-30 USG DHW used per day

System Components:

- 1 x Vitosol 200-F Glazed Flat-Plate Collector
- 1 x Vitocell-V 100, 53 USG Solar Storage Tank
- 1 x Immersed Coil Single Wall Heat Exchanger
- 1 x Gas Auxiliary Tank



### System Package 2 (OG-300 System Reference 2007029B)

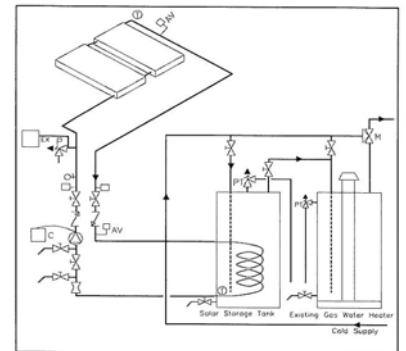
System Model: 2-200F-300V-G

Solar Energy Factor = 1.1

Sizing: 3-4 people, 40-60 USG DHW used per day

System Components:

- 2 x Vitosol 200-F Glazed Flat-Plate Collectors
- 1 x Vitocell-V 100, 80 USG Solar Storage Tank
- 1 x Immersed Coil Single Wall Heat Exchanger
- 1 x Gas Auxiliary Tank



### System Package 3 (OG-300 System Reference 2007029C)

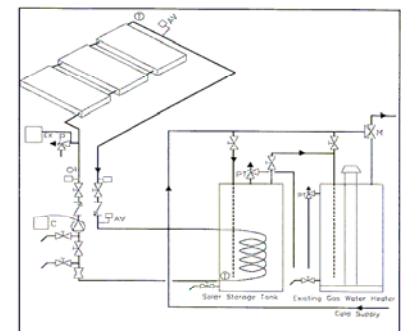
System Model: 3-200F-450V-G

Solar Energy Factor = 1.4

Sizing: 4-7 people, 60-90 USG DHW used per day

System Components:

- 3 x Vitosol 200-F Glazed Flat-Plate Collectors
- 1 x Vitocell-V 100, 120 USG Solar Storage Tank
- 1 x Immersed Coil Single Wall Heat Exchanger
- 1 x Gas Auxiliary Tank



### System Package 4 (OG-300 System Reference 2007031A)

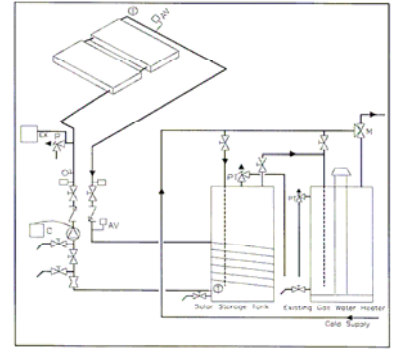
System Model: 2-200F-80R-G

Solar Energy Factor = 1.2

Sizing: 3-4 people, 40-60 USG DHW used per day

System Components:

- 2 x Vitosol 200-F Glazed Flat-Plate Collectors
- 1 x Rheem Solaraide, 80 USG Solar Storage Tank
- 1 x Tank Wrap-Around Heat Exchanger with Double Wall
- 1 x Gas Auxiliary Tank



### System Package 5 (OG-300 System Reference 2007031B)

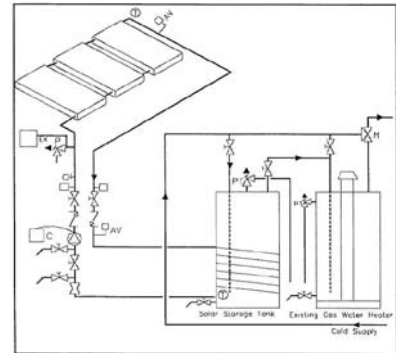
System Model: 3-200-F-120R-G

Solar Energy Factor = 1.5

Sizing: 4-7 people, 60-90 USG DHW used per day

System Components:

- 3 x Vitosol 200-F Glazed Flat-Plate Collectors
- 1 x Rheem Solaraide, 120 USG Solar Storage Tank
- 1 x Tank Wrap-Around Heat Exchanger with Double Wall
- 1 x Gas Auxiliary Tank



### System Package 6 (OG-300 System Reference 2007032A)

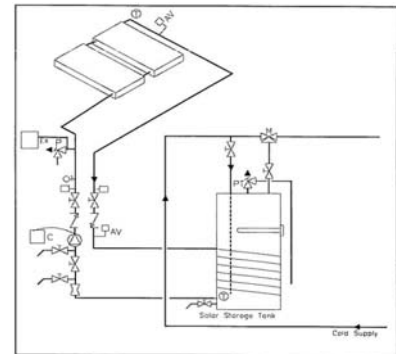
System Model: 2-200F-80R-E

Solar Energy Factor = 2.8

Sizing: 3-4 people, 40-60 USG DHW used per day

System Components:

- 2 x Vitosol 200-F Glazed Flat-Plate Collectors
- 1 x Rheem Solaraide, 80 USG Solar Storage Tank
- 1 x Tank Wrap-Around Heat Exchanger with Double Wall
- 1 x Electric Back-Up Element in Solar Tank



### System Package 7 (OG-300 System Reference 2007032B)

System Model: 3-200F-120R-E

Solar Energy Factor = 4.3

Sizing: 4-7 people, 60-90 USG DHW used per day

System Components:

- 3 x Vitosol 200-F Glazed Flat-Plate Collectors
- 1 x Rheem Solaraide, 120 USG Solar Storage Tank
- 1 x Tank Wrap-Around Heat Exchanger with Double Wall
- 1 x Electric Back-Up Element in Solar Tank

