Solar Six Pack Rapid Installation Picture Guide

1. PLAN YOUR SOLAR HOT WATER APPLIANCE INSTALLATION, KNOW THE SOLAR SIX PACK PARTS BEFORE YOU START

2. SOLAR COLLECTOR MOUNTS WITH FLASHING FOR NO RAIN LEAKS

3. SPOC (PATENTED) POSITIVE OVER-TEMPERATURE PROTECTION UNIT INSTALLATION

4. STANDARD ROOF JACK PROPERLY FLASHED PENETRATION FOR UMBILICAL

5. MOUNT PV PANEL & CONNECT 12V PLUGS

6. COVER UMBILICAL INSULATION AND WIRES WITH ALUMINUM CLADDING

NOTE:
1. Put the cladding in place without securing to check connections for leaks after filling.
2. Use screws provide to secure cladding.
3. Cladding may be painted to blend.
7. INSTALL PATENTED SOLAR WAND IN TANK: SEE MANUAL FOR BLOCKED TANK PORT OR FOR BRADFORD-WHITE TANKS

8. MOUNT PUMP BOX ON WALL NEAR TOP OF HOT WATER TANK, WITH BRACKETS PROVIDED

9. ROUTE UMBILICAL FROM UNDERSIDE OF ROOF JACK AND CONNECT TO TOP OF PUMP BOX

10. CONNECT BOTTOM OF PUMP BOX TO WAND

11. MOUNT TANK TEMPERATURE SENSOR ON T/P VALVE USING SPRING OR BARE TANK METAL WITH EPOXY

12. CLEAN UP ALL WORK AREAS, PREPARE TO GRAVITY FLUSH & FILL (TO FILL WITH PUMP SEE MANUAL)
TEMPERING AND PROPORTIONAL THERMOSTATIC MIXING VALVE INSTALLATION

Valve choice depends on local Building/Mechanical/Plumbing Codes and Water Quality. These valves are to be placed at the hot water tank.

**IMPORTANT:** BE SURE TO REMOVE THERMOSTATIC ASSEMBLY from valve before sweating connections, otherwise it will become damaged.

**IMPORTANT:** The Mixing Valve must be placed below the tank hot water outlet to provide a heat trap, so convection of hot water from the tank to the cooler valve will not deposite minerals that will clog the valve and require frequent cleaning.

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**Watts Series 70A**
Hot Water Extender Tempering Valves
Installation Instructions

**Honeywell AM-1 Series**
Hot Water Extender Tempering Valves
Installation Instructions

**Warnings**
Watts Hot Water Master Tempering Valves cannot be used for tempering water temperature at fixtures. Severe bodily injury (i.e. scalding or chilling) and/or death may result depending upon system water pressure changes and/or supply water temperature changes. ASSE standard 1016, 1069 or 1070 listed devices such as Watts Series MMV, USG, and L1 11 valves should be used at fixtures to prevent possible injury.

The Watts Hot Water Tempering Valves are designed to be installed at or near the boiler and/or water heater. They are not designed to compensate for system pressure fluctuations and should not be used where ASSE standard 1016, 1019, or 1070 devices are required. These valves should never be used to provide “Anti-scald” or “Anti-chill” service.

**INSTALLATION INSTRUCTIONS**
These models shall be used for supply water to tubs, shower, bathing facilities and other outlets. These valves should be installed where they will be accessible for cleaning, servicing or adjustment.

**ASSE 1017 Applications - Point of Source**
These AM-1 Series models can be installed in any position consistent with the intended use. For domestic hot water supply, the valve must be installed as shown in Fig. 1. There shall be no shut-off valves installed between the cold line and the cold water connection on the AM-1 Series valve. Check valves shall be installed as indicated. A cold water service valve may be installed, as indicated, between the cold water supply line to the distribution system and the cold water line supplying both the water heater and the AM-1 Series valve.