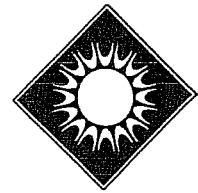


FLORIDA SOLAR ENERGY CENTER

1679 CLEARLAKE ROAD, COCOA, FLORIDA 32922-5703 (321) 638-1000



Approved Solar Energy System

FSEC # S9244

Approval Date: JAN 2008

DISTRIBUTOR	SYSTEM
Alternate Energy Technologies, LLC 1057 N. Ellis Road, Suite 4 Jacksonville, FL 32254	DPV-120-64

This system was evaluated by the Florida Solar Energy Center (FSEC) in accordance with the Florida Standards Program For Solar Domestic Water and Pool Heating Systems (FSEC-GP-7-80) and was found to meet the minimum standards established by FSEC.

The calculated Florida Energy Factors for this system are:

	North	South/Central
	6.3	7.2

Description

Collector Manufacturer	Model Number	Units	Total Rating (Btu)
1. Alternate Energy Tech	AE-32	2	55,500
2.			
3.			
4.			

Tank Manufacturer	Model Number	Capacity (gal)	Type: Direct
1. American Water Heater	SE62-119H-045S	119	
2. Rheem Water Heaters	81VR80TC-1	119	
3.			
4.			

Pump Manufacturer	Model Number	Power Draw (Watts)	Rated Power
1. Laing Thermotech	D5Solar/090B	22	1/35 H.P.
2.			
3.			
4.			

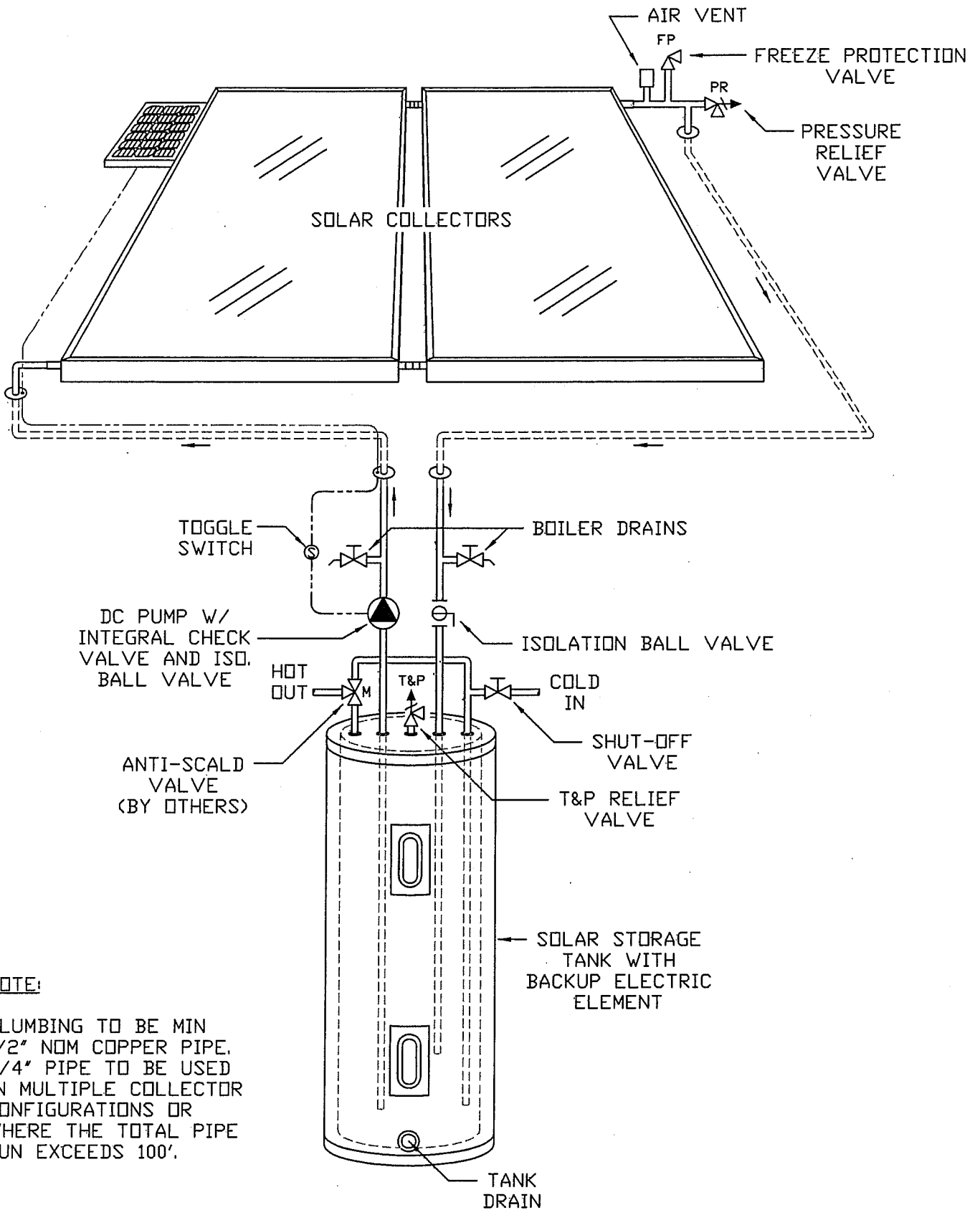
Controller Manufacturer	Model Number	Type: Photovoltaic
1. SunWise Technologies	OEM-10	
2. Yingli Solar	PV-10	
3.		

Freeze Protection
1. Thermally operated freeze protection valve
2. Manual draindown
3.

Other Major Components
1.
2.

If further information is required you may contact the Florida Solar Energy Center at the above address.

DIRECT PV SYSTEM DPV-120-64



NOTE:

PLUMBING TO BE MIN
1/2" NOM COPPER PIPE.
3/4" PIPE TO BE USED
IN MULTIPLE COLLECTOR
CONFIGURATIONS OR
WHERE THE TOTAL PIPE
RUN EXCEEDS 100'.