

DESCRIPTION:	The SunSaver <sup>™</sup> Solar Collector is manufactured in Chico, California. The collector is a specially developed, highly stabilized polyolefin and is of parallel, circular channel design. It is unglazed, uninsulated, and designed for low temperature applications such as swimming pool heating, heat pumps, aquiculture, and hydroponics.		
DIMENSIONS:	Header Length = 50.875 in. ( Width (Panel body) = 47.5 in	1.29 m) . (1.21 m)	
	Overall Dim 4 ft. X 8 ft. (1.2 4 ft. X 10 ft. (1.2 4 ft. X 12 ft. (1.2	<u>ensions</u> 22 X 2.44 m) 22 X 3.05 m) 22 X 3.66 m)	$\frac{Effective Area}{31.6 \text{ ft}^2 (2.94 \text{ m}^2)} \\ 39.5 \text{ ft}^2 (3.67 \text{ m}^2) \\ 47.8 \text{ ft}^2 (4.40 \text{ m}^2) \\ \end{array}$
ROOF MOUNTING SPACE:	Width = [Number of panels X 50.875 in. (129 cm)] + 24 in. (61 cm) Length = Panel length + 24 in. (61 cm)		
RACK SPACE:	Width = [Number of panels X 50.875 in. (129 cm)] + 2 in. (5 cm) Length = Panel length + 6 in. (15 cm)		
FLOW:	Maximum recommended flow = 8 gpm per panel 3.47 psi head loss (1,817 l/hr, 0.244 kg/cm <sup>2</sup> ) Minimum recommended flow = 3 gpm per panel 0.48 psi head loss (681 l/hr, 0.034 kg/cm <sup>2</sup> ) Recommended flow = 4 gpm per panel 0.87 psi head loss (908 l/hr, 0.061 kg/cm <sup>2</sup> )		
PANELS PER BANK: (maximum)	12 panels single end feed 17 panels diagonal feed		
PRESSURE:	NORMAL OPERATING		
80°F (27°C)	0 to 30 psi (0 - 2.11 kg/cm <sup>2</sup> )	45 psi (3.16 kg/cm	וייבאנגע איז
212°F (100°C)	0 to 5 psi (0 - 0.35 kg/cm <sup>2</sup> )	5 psi (0.35 kg/cm <sup>2</sup>	<sup>2</sup> )
70°F (21°C)	Measured burst pressure of panel body = Over 300 psi (21.1 kg/cm <sup>2</sup> )		
TEMPERATURE:	Normal operating temperature = $60^{\circ}$ F to $90^{\circ}$ F ( $16^{\circ}$ C to $32^{\circ}$ C) Maximum continuous operating temperature = $212^{\circ}$ F ( $100^{\circ}$ C) Maximum intermittent temperature (unpressured) = $250^{\circ}$ F ( $121^{\circ}$ C) Melt temperature = $338^{\circ}$ F ( $170^{\circ}$ C)		
CHEMICAL RESISTANCE:	Compatible with common collector fluids		
CORROSION:	Non-corrosive		
FREEZING:	The system should be drained before freezing conditions occur.		
WEATHERABILITY:	Weatherometer, accelerated outdoor exposure, and other extensive laboratory testing demonstrates long-term weatherability of SunSaver™ collectors (see warranty). Additionally, FAFCO's experience of over 30 years and 1,000,000 collectors installed confirms that the proprietary stabilization and high mechanical strength results in negligible warranty over the <b>TWELVE-YEAR</b> warranty period.		

WEIGHT:	Without Water:		
	4 ft. X 8 ft.	13.5 lbs (5.04 kg) or 0.42 lbs/ft <sup>2</sup> (2.05 kg/m <sup>2</sup> )	
	4 ft. X 10 ft.	15.9 lbs (5.93 kg) or 0.40 lbs/ft <sup>2</sup> (1.95 kg/m <sup>2</sup> )	
	4 ft. X 12 ft.	18.3 lbs (6.83 kg) or 0.38 lbs/ft <sup>2</sup> (1.86 kg/m <sup>2</sup> )	
	With Water:		
	4 ft. X 8 ft.	51.1 lbs (19.1 kg) or 1.60 lbs/ft <sup>2</sup> (7.81 kg/m <sup>2</sup> )	
	4 ft. X 10 ft.	59.8 lbs (22.3 kg) or 1.50 lbs/ft <sup>2</sup> (7.32 kg/m <sup>2</sup> )	
	4 ft. X 12 ft.	68.5 lbs (25.6 kg) or 1.43 lbs/ft <sup>2</sup> (6.98 kg/m <sup>2</sup> )	
	0.00		
ABSORPTIVITE:	0.96		
FMISSIVITY:	0.90		
	0.00		
TIME CONSTANT:	64 seconds		
TESTED OUTPUT:	1.014 BTU/ft <sup>2</sup> (Florida Solar Energy Center)		
PERFORMANCE CURVES:			



Additional test data available on request

P/N 06359E 9/00