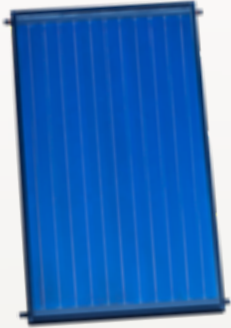




## *SOLARHOT Platinum Series*



**Designed to exceed the requirements of the most demanding customer - attractive collectors with great performance for generations to come.**

The single pane 4 mm solar glass is patterned to reduce reflection and is tempered to **maximize strength and durability**. The low iron oxide content of 0.03% enables a **high solar transmittance** of 91%.

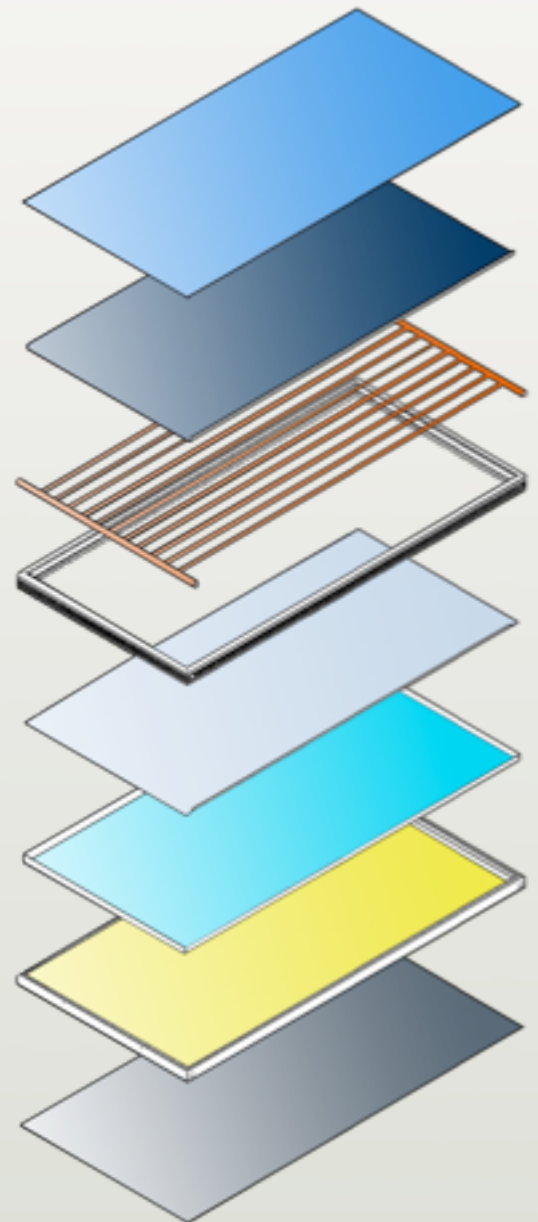
The absorber plate consists of copper fins coated with a German-engineered blue sputtered coating, **the most efficient absorber coating without exception**. The absorption rate is 95% with extremely low emissivity of 5%.

½" copper risers are brazed to 1" copper manifolds for **optimal flow distribution**. SOLARHOT collectors have 11 risers - that means the heat travels a shorter distance before being picked up by the solar fluid.

The black aluminum extrusion casing looks **attractive** on a roof with no unsightly bolts or screws. The all-around EPDM gasket is highly resistant to temperature variations and UV radiation. Factory-installed unions on the headers and quick locking safety clips make rooftop installation **quick and easy**.

We spray polyurethane foam insulation into the cavity to **lock in the heat** even on the oldest days. On top of the polyurethane we add a layer of mineral wool and an aluminum foil radiant barrier for extra insulation to **trap the heat**.

The aluminum back plate is **lightweight, long lasting and corrosion resistant**.





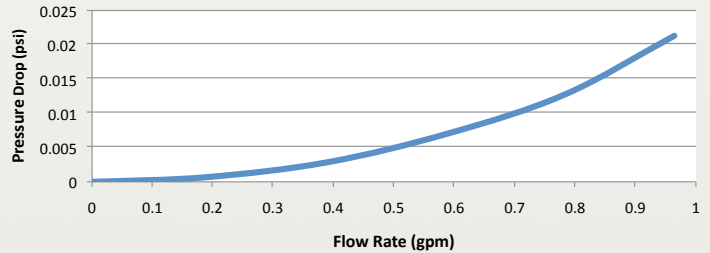
# Making Solar Make Sense

## Platinum Collector Specifications

Category (Ti - Ta)	Clear 2000 Btu/ft <sup>2</sup> •day			Mildly Cloudy 1500 Btu/ft <sup>2</sup> •day			Cloudy 1000 Btu/ft <sup>2</sup> •day		
	S-SC-126P26	S-SC-126P32	S-SC-126P40	S-SC-126P26	S-SC-126P32	S-SC-126P40	S-SC-126P26	S-SC-126P32	S-SC-126P40
T inlet fluid - T ambient air	Thousands of BTU per Panel per Day								
A (-9°F)	33	40	50	25	30	38	17	21	25
B (9°F)	30	37	45	22	27	33	14	17	21
C (36°F)	26	31	38	18	21	26	10	12	14
D (90°)	17	21	25	10	12	14	3	3	4
E (144°F)	9	11	14	3	4	4			

	S-SC-126P26	S-SC-126P32	S-SC-126P40
Length	80.3 in	96 in	120 in
Width	47.2 in	47.2 in	47.2 in
Depth	3.7 in	3.7 in	3.7 in
Dry Weight	98 lbs	121 lbs	137 lbs
Fill Weight	106 lbs	130 lbs	147 lbs
Fluid Capacity	1 gal	1.1 gal	1.2 gal
Recommended Flow Rate	0.8-4.5 gpm		
Max Operating Pressure	80 psi		
Test Pressure	232 psi		
Nominal Header Diameter	1 in		
Header Center to Center	75.75 in	92.5 in	116.5 in
Frame	black anodized aluminum		
Absorber	Blue sputtered coating on copper fins		
Absorptivity / Emissivity	95% / 5%		
Light Transmission	91%		

Collector Pressure Drop



Collector Efficiency Curve

