

# HEATING SYSTEMS



## “HELIOCOL” Solar Heating System

Heliocol collectors are constructed like no other. Unique design characteristics make Heliocol the best solar pool heating system available. The balance between design and excellence and rugged durability make Heliocol the smart choice for your residential or commercial needs.

Standard Pool temperature : 28 – 30°C

### DESIGN FEATURES

Heliocol is the world’s largest solar pool heating manufacturer. Our panels have several patented design features. We pride ourselves on being environmentally safe, maintenance free and roof friendly. If there would be any issues, Heliocol has you covered with a twelve year limited warranty including freeze protection.

#### 1. One-Piece Unibody Construction

The overmolded header is formed over each individual tube and fused together during construction, producing the strongest possible connection. Overmolding eliminates cracks and welds for a longer lasting, maintenance-free system.

#### 2. Individual Tubes

Open design resists lift and stays put even in high winds. Protects the roof from rain rot by allowing rapid moisture evaporation. Round tubes capture more heat.

#### 3. Mounting Sleds

Sleds maintain alignment of individual riser tubes. Prevent abrasion to panel and roof when expanding and contracting.

#### 4. Panel Clamps

Patented panel clamps eliminate rubber hoses and metal clamps that require regular rooftop maintenance and replacement, eliminating hassles and saving time and money. Clamps also allow panels to be mounted closer together for a more efficient and more attractive system.

#### 5. Gator Clamps

Strapless mounting allows for expansion and contraction and fewer roof penetrations.

#### 6. Open Flow Design

Each and every individual tube opens into the header, increasing flow and virtually eliminating backpressure, saving wear and tear on pool pumps.

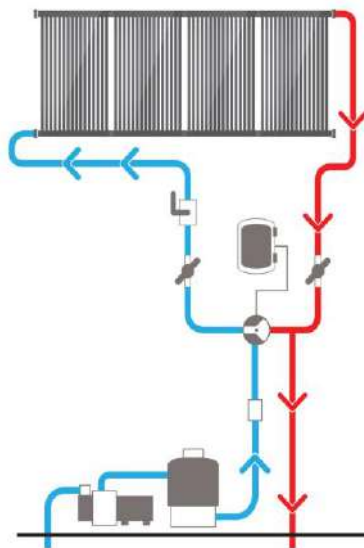


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## Collector Data

Collector Model	HC-50
Size, Nominal	4' x 12.5'
Width	46.56"
Length	151.44"
Aperture Area	48.23 sq ft
Manifold Diameter	2"
Dry Weight	22 lbs
Volume Capacity	3.7 gal
Working Pressure	90 psi
Burst Pressure	270 psi
Typical Flow	5 - 7 gpm



## HC-50

		Solar Insolation		
Category T(F)		2,000 BTU/ft <sup>2</sup>	1,500 BTU/ft <sup>2</sup>	1,000 BTU/ft <sup>2</sup>
Water Temp. Minus Air Temp.	A (-9)	101.28	77.17	57.88
	B (+9)	48.23	28.94	9.65
	C (+36)	4.82	0	0
	D (+90)	0	0	0

Thousands of BTU's per day per panel

Code	Model	Pool Area (กว้าง x ยาว)	Quantity of Panels	Roof Area (Sq.M.)
21700810010	10 HC-50 <sup>*</sup>	50 Sq.M.	10	48
21700810015	15 HC-50 <sup>*</sup>	70 Sq.M.	15	71
21700810020	22 HC-50 <sup>*</sup>	100 Sq.M.	22	103
21700810025	30 HC-50 <sup>*</sup>	150 Sq.M.	30	140



Code	Model	Description
21710810005	MS3D <sup>*</sup>	Ascon Automatic Temperature Controller

<sup>\*</sup> สินค้าไม่มีสต็อก กรุณาลังล่วงหน้า 60-90 วัน / No Stock, Delivery Time 60-90 Days