

Features and benefits

INDIVIDUAL - TUBE DESIGN (with no backing material)

- reduces wind load
- lets the surface below 'breathe', preventing roof deterioration from trapped moisture
- reduces cracks and leaks by allowing each tube to expand and contract independently

SINGLE-PIECE CONSTRUCTION

- headers and risers moulded together to form one piece of plastic
- no seams or welds to crack due to age or stress
- panels rugged and reliable

MODULAR CONCEPT

- allows solar array to be easily extended

CORROSION PROTECTION

- resists most chemicals
- no scale or salt build-up in panel tubes

LOW HEAD LOSS

- low collector head loss rate, reducing pump requirement

AESTHETICALLY PLEASING

- smart looking
- integrally pigmented (for both appearance and efficiency)

EASY INSTALLATION

- Especially easy and quick to install, thus reducing labour costs
- No gluing
- Minimal roof penetrations

PROVEN PERFORMANCE

- Track record of proven performance, durability and design excellence
- Collects scattered, low-angle solar radiation

LOW OPERATING AND MAINTENANCE COSTS

- High fuel bills eliminated due to use of free solar energy
- Running costs confined to those of the pump (in most cases the existing filtration pump)
- Low maintenance costs – panels unaffected by pool chemicals and no moving parts to fail
- Easy, simple repairs for a single tube in the event of damage – no need to replace the entire panel

ENVIRONMENTALLY FRIENDLY

- Clean, non-polluting and environmentally safe
- No high- temperature appliances and no on-site storage of volatile fuels
- Safe operation under weather extremes

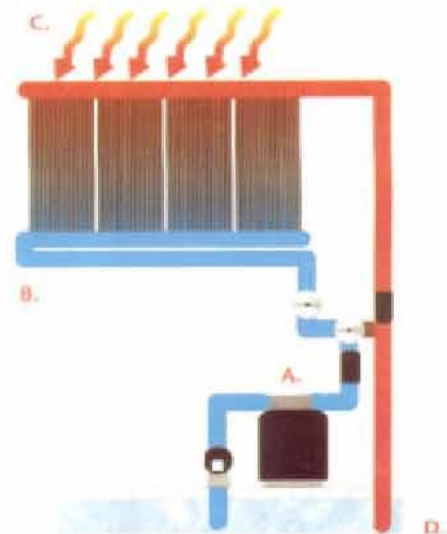
WARRANTY

- 10-year manufacturer's warranty against defects in material and workmanship

HOW THE PANELS WORK

- Pool water being circulated by the filtration pump is diverted to the panels
- The water enters the panels at one end and exits at the other
- As it passes through the panels' individual tubes it is heated by the sun's rays
- The water is then returned to the pool to repeat the cycle until the entire pool has been warmed

Control of the system can be manual or automatic. The only other materials needed are standard pool items such as pipe, pipe fittings and valves



TECHNICAL & PHYSICAL DATA

	SunStar STR-50 panel	SunStar STR-40 panel	SunStar STR-30 panel	Heat Kit panel
Nominal length/width	3.8m/1.2m	3.2m/1.2m	2.4m/1.2m	6.4m/1.2m
Gross collector area	4.524m ²	3.779m ²	2.708m ²	7.92m ²
Overall length	3.85m	3.25m	2.40m	6.40m
Overall width	1.24m	1.24m	1.24m	1.24m
Weight dry	10kg	8.6kg	6.8kg	17.1kg
Fluid volume capacity	15.1L	11.7L	9.1L	23.1L
Burst pressure (20°C)	270psi	270psi	270psi	270psi
Operating pressure	30psi	30psi	30psi	30psi
Min. recommended flow rate (per panel)	252-379ml/s	252-315ml/s	190-252ml/s	252-630ml/s