

Apricus Solar Collector How It Works

Apricus[®]
Australia
SOLAR HOT WATER

Collector Structure

1. Collector manifold
2. Insulation
3. Copper header pipe
4. Stainless steel mounting frame
5. Evacuated tube
6. Heat transfer fin & heat pipe

Operation

Step 1. The sunlight strikes the dark-blue absorber inside the evacuated tube.

Step 2. The heat pipe transfers the heat up to the copper header pipe location in the insulated manifold box.

Step 3. A pump circulates water from the storage tank to the copper header pipe warming the water. The solar heated water is then pumped down into the storage tank for use.

Anti-frost is built in to the Apricus system to ensure solar hot water can be provided even in cold regions.

