

G SERIES SOLAR COLLECTORS

Advanced Technology and Reliability: The Heat Is On!

How well your solar system performs depends on the efficiency of your solar collectors.

Thermo Dynamics flat plate solar collectors set industry standards for superior performance and reliability. High technology and quality make the difference. Each *G* series collector is engineered to achieve the maximum efficiency in industrial, commercial and domestic water heating applications.

G collectors are attractively designed to incorporate the finest materials. The collector box and backing are made from corrosion-resistant aluminum alloy (6061-T6) and feature an attractive baked enamel finish (dark brown). The collector cover is a dimpled, low-iron tempered glass specifically formulated for solar applications. Frame fasteners are of aluminum or stainless steel, and all seals are of rubber that is non-degradable under ultra-violet light. The collector utilizes selected insulation on the back and sides to minimize ambient heat loss.

The Sunstrip™ solar fin - heart of the system.

The solar absorber in the *G* collector features a copper header, top and bottom, and copper waterways in the Sunstrip™ riser fins. The solar absorber is assembled from the highly efficient, light-weight Sunstrip™ fin. This patented component is made from aluminum metallurgically-bonded to a copper tube. The exterior is treated with a selective surface that



ensures maximum energy collection. Depending on the climatic conditions, customers may select water or a glycol (non-toxic anti-freeze) solution as a working fluid for the collector.

To increase output, a series of flat plate collectors may be coupled to work in a grid format. Hydraulic coupling of collectors is easily accomplished via soldered or mechanical connections.

The Thermo Dynamics *G* Series collectors may be installed in a variety of applications with ordinary tools. The collector frame is designed to accommodate a number of mounting arrangements, with a versatile sliding bolt track system. Customers may choose from two clip options: one for flush collector mounting and another for more demanding applications. Either of the clips supplied by Thermo Dynamics will facilitate flush or rack mounting of the collector.

Thermo Dynamics *G* collectors deliver more energy for your dollar. They do it reliably and with little or no maintenance. *In fact, we guarantee it - for ten years!*



Fuel prices are always RISING . . . So is the SUN



