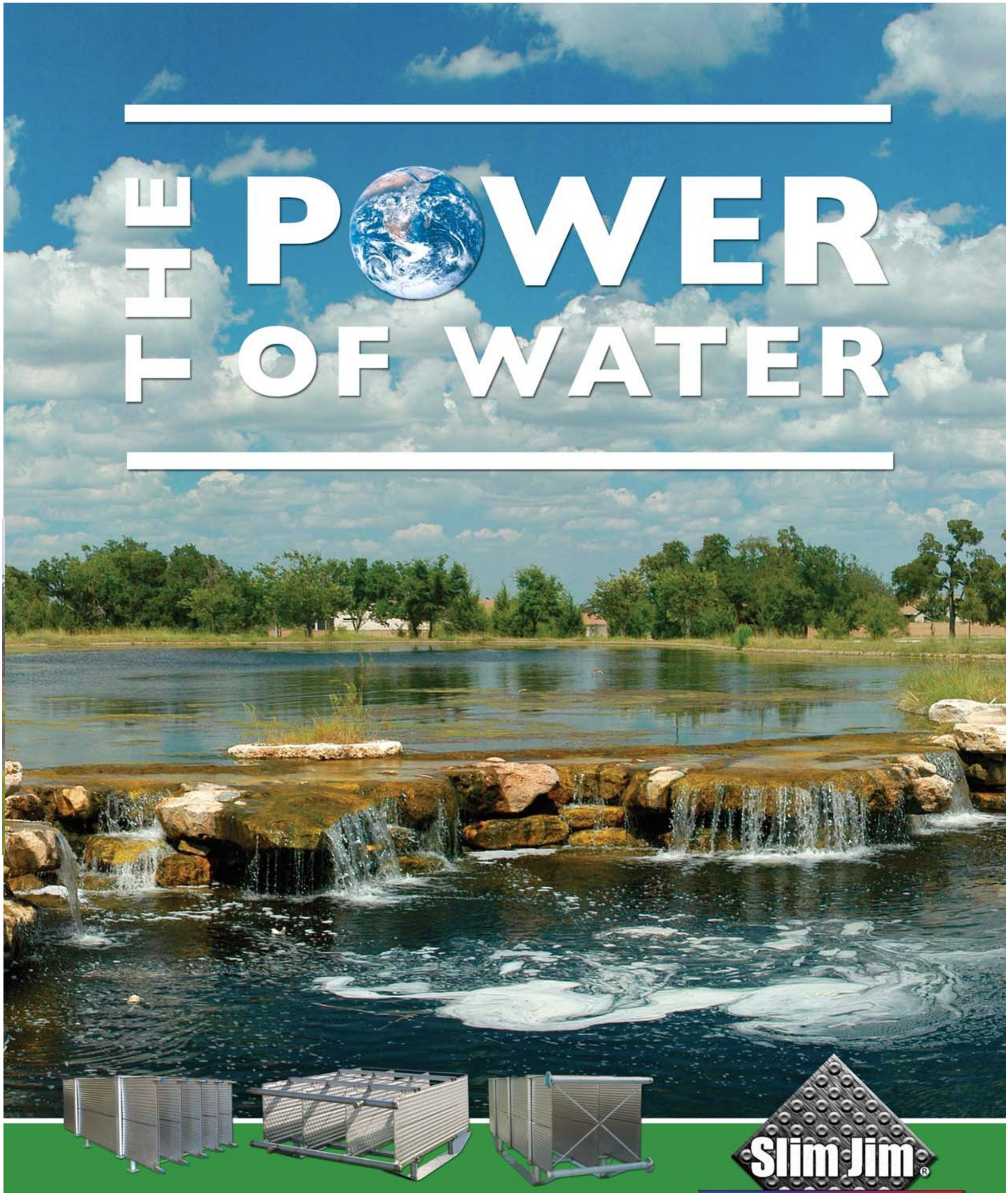
THE POWER OF WATER



Slim Jim®

THE GEO LAKE PLATE

www.theslimjim.com

SLIM JIM® *The Geo Lake Plate*

POND LOOP IN A PACKAGE

Makes Installation of GeoExchange in Ponds or Bodies of Water As Simple as it Gets!

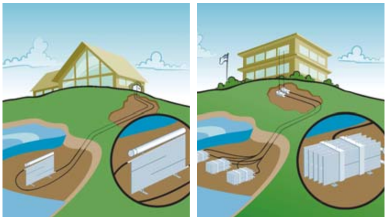
SLIM JIM® *The Geo Lake Plate* is the lake loop of choice for fluid to fluid heat transfer in GeoExchange heat pumps or water cooled equipment (lakes, ponds, rivers, oceans).

Application:

- 304 stainless—fresh water applications only
- 316L stainless—fresh water applications only
- Titanium—brackish and seawater applications
- AL6XN—brackish and seawater applications

Features:

- Spot & roll welded
- Easy to install
- Easy to flush
- Labor friendly
- No limit to job size—single to multiple units



From the left: Residential illustration; Commercial illustration

Multiple plates of like capacity can be manifold in field with PE pipe to accommodate larger loads. Or, we can custom build (pre-manifold multiple plates) with stainless steel headers equipped with flange connections (single point hookup), reinforced frame, fitted with legs or skids and lift points for handling (special quotes required).

Installation Requirements:

For proper operation and maximum performance, the SLIM JIM® must:

- Be installed vertically, completely submerged in body of water
- Be supported off bottom out of silt/mud
- In northern climates, minimum of two (2) foot clearance beneath ice cap and top of plates is recommended
- The body of water must be adequate to accommodate the load requirements

Residential, single plate

Residential, slide-in 6 ton

Commercial, 32 ton

Commercial, 32 ton (2–16 ton circuits)

Residential, 40 ton

Distributed by Aweb Supply

Pond Loop in a Package

Slim Jim
THE GEO LAKE PLATE

SPECIFICATIONS

DESCRIPTION	DIMENSIONS	PRESSURE DROP (Approximate)	VOLUME (Water/Approx.)	304 STAINLESS STEEL WEIGHT	TITANIUM WEIGHT
SJ-02T	2' x 6' x 3/8"	6 GPM, 5 psi	1.2 gal	55 lbs.	28 lbs.
SJ-03T	4' x 5' x 3/8"	9 GPM, 2 psi	2.0 gal	92 lbs.	46 lbs.
SJ-04T	4' x 6' x 3/8"	12 GPM, 4 psi	2.4 gal	110 lbs.	55 lbs.
SJ-05T	4' x 8' x 3/8"	15 GPM, 6 psi	3.2 gal	147 lbs.	74 lbs.
***SJ-08T**	4' x 12' x 3/8"	24 GPM, 8 psi	4.8 gal	220 lbs.	110 lbs.
Inlets/Outlets—1 1/4" MPT (SJ-02T thru SJ-08T)					
***SJ-10T**	4' x 15' x 3/8"	30 GPM, 10 psi	7.0 gal	276 lbs.	138 lbs.

Inlets/Outlets—2" MPT (SJ-10T)

***SJ-08T & *SJ-10T**—Two (2) Pass (In and Out Same End)

Flow Rate:

Three (3) GPM per ton equipment.

Approximate Heat Transfer Rate:

100 Btu per square foot transfer surface of plate per Degree Delta T in still body of water. Both sides of plate are exchanger surface.

Example: SJ-03T @ 9 GPM
4' x 5' x 2 = 40
40 x 100 = 4,000
4,000 x 10 Degree Delta T = 40,000 Btu approximately

Note: Any current accentuates performance greatly and allows for closer grouping of multiple plate assembly—such as river applications.

Hunting Lodge—New York

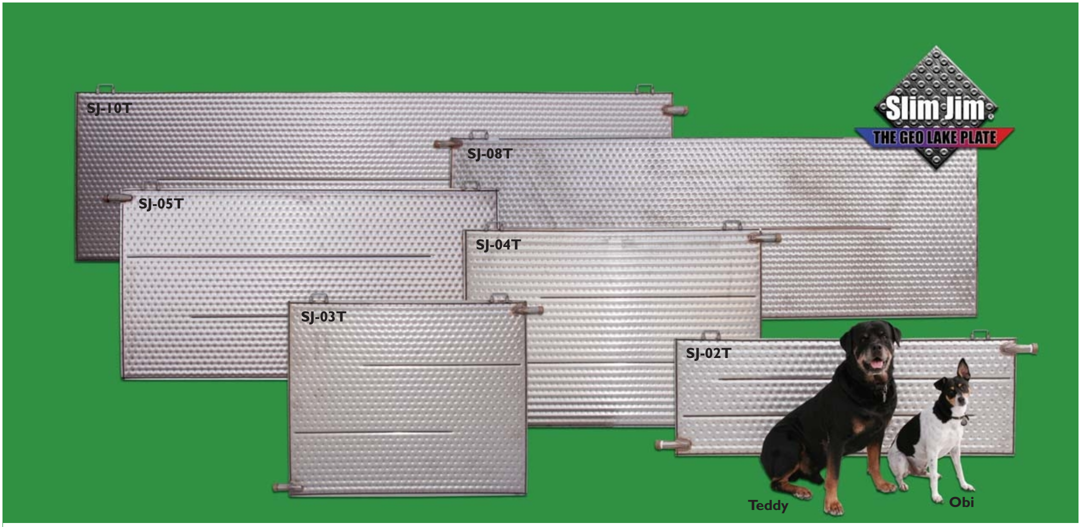
Marine Safety Station—Chicago, Illinois

200 Ton SLIM JIM® Project—Wisconsin—Concept

200 Ton SLIM JIM® Project—Wisconsin—Installation

200 Ton SLIM JIM® Project—Wisconsin—Complete

For more info on SLIM JIM® *The Geo Lake Plate* visit **www.theslimjim.com**



SLIM JIM® family of plates

Some see a pond.
We see an emission free, fuel free power plant!

Created through demand reduction when used in conjunction with SLIM JIM® *The Geo Lake Plate* and geothermal heat pumps to heat and cool homes or businesses.

SLIM JIM® *The Geo Lake Plate* is helping to keep our Earth Green through energy conservation.

AWEB SUPPLY
GEO-THERMAL SUPPLIES

7350 Tom Drive
Baton Rouge, LA 70806 USA

Phone: 225-928-2630
Fax: 225-928-2087
Watts: 888-277-2932

E-mail: info@awebgeo.com
Web site: www.awebgeo.com

Assemblies can be custom built and delivered

Residential 24 ton—new lake bed

Rev: 09/06

Slim Jim
THE GEO LAKE PLATE

AWEB SUPPLY
GEO-THERMAL SUPPLIES

WaterFurnace

December 14, 2006

Mr. Brian Nelson, M.S., M.E.
Nelson Mechanical Design, Inc.
P.O. Box 4778
Vineyard Haven, MA 02568

RE: OCEAN FRONT GEOTHERMAL PRESENTATION

Dear Brian:

We are in receipt of your presentation for OCEAN FRONT GEOTHERMAL.

I agree whole heartedly with your approach and know that it will work. There is a vast renewable source of energy virtually untouched in the ocean. There would be virtually no measurable change to temperature of the ocean water.

Please feel free to include our Slim Jim® logo in your presentation materials.

Please let us know what we can do to help.

Sincerely,

Alan Watts, CGD, IAI

AW/bw

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