



elmco duddy Dollars & Sense



October 2010, Volume 3

Two Locations:

- Industry
- San Diego

Sister Companies:

- Sacramento
- Las Vegas
- Phoenix

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Lochinvar TiSUN Announces Commercial Solar Thermal Systems

LOCHINVAR / TiSUN now offers a wide variety of commercial and light duty commercial solar thermal collectors, storage tanks, controls and accessories that enable you to take advantage of a single source solar package.

Even better is their custom packaging capabilities which offer limitless options for systems to be skid mounted, piped, wired, factory packaged and tested at their facility and delivered to yours ready to be set in place as a single unit. They take the guesses out of designing solar and provide you with piece of mind knowing that it was engineered and manufactured to your specification.

The Large Commercial Flat Plate Collector (shown left) is suitable for installations on pitched or flat roofs, as well as, freestanding installations on the ground. It is available as a single-piece large collector in sizes ranging from 65-130 sq.ft.

The Light Duty Commercial Solar

Collectors are designed and manufactured to stringent standards in order to withstand harsh outdoor conditions to provide years of service under the sun. They are easy to install in either a vertical or horizontal position, both incorporate a serpentine heat coil design which allows for optimum heat transfer in a forced circulation solar system.



The Lochinvar Flat Plate Collectors are **SRCC certified** and ready to be incorporated into your next solar design. To request for sizing or pricing, please do not hesitate to contact us at (626) 333-9942.



Come see the new solar products at the **Solar Power International Show** on **October 12-14, 2010** at the Los Angeles Convention Center in **Booth 4608** located in **South Hall**.

New High-Performance ASSE 1017 Listed Tempering Valves Featuring New 200+ GPM Mixer

POWERS is pleased to introduce a new line of high performance master tempering and Hi/Lo safety valves for hot water distribution in commercial and institutional facilities. Marketed under the HydroGuard XP brand, the series features eight newly engineered valves, including five master mixers (MM430) and three single-valve hi/los (SH1430).

The HydroGuard XP series features improved performance capabilities for enhanced safety including:

- Industry leading low flow

control, as low as 1.0 gpm on the largest sizes

- Higher top-end flows at lower pressure drops for added capacity
- Advanced paraffin actuation technology for speed of response and accuracy of control
- Single-seat design for tight shut-off in the event of cold-water failure
- Lockable, vandal resistant temperature setting for greater safety
- Simplified design/fewer

components ease repair and maintenance

- Corrosion resistant internals to resist seizing or sticking in harsh water conditions, ensuring safe and consistent valve performance

Contact us to help you size or select a thermostatic mixing valve or assist you with your specifications today.



MECHANICAL

Santa Ana’s Century High School: Cooling Tower Case Study

The best advertising is word-of-mouth endorsements from satisfied customers.

Jeff Hackett, HVAC Technician for Century High School in Santa Ana, California, has taken that idea a step farther. The high school’s new central cooling system, installed in 2007, has become a touch point for area companies looking at installing new cooling systems of their own. Hackett’s success in finding and acquiring the very best cooling system for the high school is garnering lots of attention.

Hackett was committed to replacing the high school’s antiquated ice harvesting system

with a new innovative system that would minimize the potential for system failure and downtime, and maximize savings through smart design.

Hackett’s research led him to conclude that a new central cooling system was the best fit for Century High School’s needs. The cooling towers selected for Century High School were manufactured by **TOWER TECH**. The focus in selecting the towers was on energy savings, using the tower’s innovative water distribution system to achieve variable flow control and uniform

wetting of the tower fill media.

To tour the facility or get a copy of the full Case Study, please contact your sales person or our customer service department.



“We are very satisfied with the decision to specify Tower Tech cooling towers for this project. Ease of installation in an existing facility was a key factor in this choice.”

The level and quality of the cooling tower and technical support provided by Tower Tech is excellent.”

-- I. Ray Cranston, P.E., Principal

F.T. Andrews Engineers

A Closer Look at Griswold Pot Feeders

GRISWOLD pot feeders can be used as a chemical feeder or a combination chemical feeder and filter. They come in three standard sizes, 2, 5, and 12 gallon capacities.

The FB Series comes standard with a carbon steel, powder coated feeder tank (optional stainless steel) with three 3/4”



FNPT connections.

The CBF-GE Series is ASME rated. The standard equipment on this series is a feeder tank with four 3/4” FNPT connections.



The FB Series (left) & CBF-GE Series (above).

Optional equipment includes the Funnel Package, Valve Package, Pedestal (FB series only), stainless steel strainer basket and 25 micro filter bags.

The CF Series offers two 3/4” FNPT connections as standard. Optional equipment for this style includes the Valve Package.



Tri-flex Loops from Flex-Hose Inc.

FLEX-HOSE CO’s patented Tri-Flex Loop makes a world of difference in critical piping connections. It is designed to provide a superior flexible pipe loop that will absorb and compensate multi-plane pipe movements simultaneously as well as reduce piping stress.

It is the safest and most reliable means of absorbing up to 8 inches of movement resulting from thermal changes, random seismic shifts, and misalignment in a piping system. It also dampens vibration

and reduces the transmission of noise.

Tri-Flex Loops are designed to be pressure tested 1.5 times their maximum rated working pressure and manufactured with a 4:1 safety



Available in Stainless Steel or Bronze in sizes from 1/2” to 14” I.D.

factor. The Tri-Flex Loop eliminates the need for the added installation expense of traditional long length pipe loops and its compact design saves valuable space.

Tri-Flex Loops do not impose additional thrust loads on the piping system and thus eliminate the need for costly anchoring or thrust blocks while also eliminating pipe guides required by traditional pipe designs such as expansion pipe loops or expansion joints.



PLUMBING

Introducing Jomar's Revolutionary Add-A-Valve®

In 30 minutes or less, you can replace or repair a defective valve or pipe, add a line or isolate an area with **JOMAR'S Add-A-Valve®**.

The Add-A-Valve is an emergency shut off device for copper tubing that works by literally cutting through copper tubing with it's hardened steel stem cutter and expanding it's Viton® seal across the cut to stop flow.

- NO Pipe Freezing
- NO Bulky Nitrogen Tanks
- NO Shut Downs

An installation CD/video is



provided with every valve detailing the **Six easy steps:**

1. Clean Pipe
2. Apply Sealant
3. Merge Halves
4. Test for Leaks
5. Ratchet Stem Cutter
6. Stop Flow

The Add-A-Valve can be installed on hot or cold water, H2O Glycol Systems, under pressure from 0 to 250 psi/17 par Max., on type M, L & K copper tube.

Each valve kit contains Add-A-Valve, Jomar S-100NE Ball valve, Gasket Sealant, (2) Brushes, Extra Viton O-Rings, (2) Shraeder® test caps, Add-A-Valve® Installation CD/Video and is available in six sizes ranging from 1/2" to 2".

Keep them on your service truck and on your shelves for emergency situations.



New! Under-Lav Trap Primer Valve from PPP

Did you know we offer the new under-lav trap primer from **PPP**?

Here is a list of the specifications:

Bill of materials:

Body and Cap: Chrome Plated

- Check Valve: Neoperl
- O-Rings: Nitrile
- Screen: Stainless Steel

Chrome Plated items:

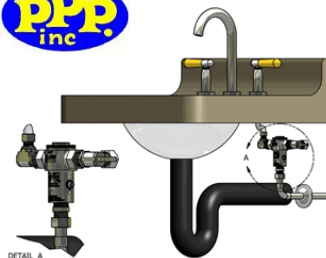
- Angle stop w/ 5/8" comp. fitting

- 3/8" comp. Lav supply fitting
- 1/2" NPTx 5/8" comp.
- 1/2" I.D. copper tube
- Escutcheon

Discharge Info:

- Minimum discharge rate when flow is activated for 5 seconds at 20 PSI is 0.845 oz.
- Minimum discharge rate when flow is activated for 5 seconds at 80 PSI is 1.65 oz.

Contact us today for pricing and availability.



Model PRO1-UPL500

E.I.N.S.T.E.I.N. from QuantumFlo

QUANTUMFLO is pleased to introduce **E.I.N.S.T.E.I.N.**, their Electronic Information System Targeting Engineering and Innovation.



In just a few minutes by clicking on http://www.quantumflo.com/einstein/einstein_products.html, Einstein will walk you through QuantumFlo's technology in an entertaining and informative vignette.

This website utility features project sizing, provides specifications and offers printable analysis on Packaged Booster Systems.

It's so simple to use, and all it takes

is a few clicks of the mouse to size, select and specify the perfect QuantumFlo package for any project.

By utilizing this tool, you can reduce wasted pumping capacity and custom-fit the proper package to the application.

Give us a call if you have any questions or to help get you started.



"Thanks to you guys and the service manual, we got the #2 heater back online... I think Lochinvar maybe part owned by Hilton...you guys have the same high standards of customer service we do. I think you have earned my loyalty.

Thanks again."

-Clair Hodges, Hilton

E/D Event Calendar

**October 7 & 8, 2010:
Emerson VFD Training, City of Industry**

This one day class is offered on 10/7 or 10/8 and will feature Motor & VFD Basics, Affinity Drive Basics, Parameters & Macros, Communications Interface Basics, Electronic Bypass, Start-up & Service, Contacts & Websites, Instructional Videos, Application Notes, Hands-on Demo Units.

Free Software to program the Affinity VFD, including CTSoft & CTScope.



Variable Frequency Drive Product Training from EMERSON

WHEN:
 10/7 Friday, October 7th from 8:00 am - 4:00 pm (1 day)
 10/8 Friday, October 8th from 8:00 am - 4:00 pm (1 day)

WHERE:
 ElmcoDuddy Training Room
 15070 Proctor Ave., City of Industry, CA 91746

RSVP:
 By October 30th, please call (626) 333-9942 (leave an email: courses@elmcoduddy.com).
 Space is limited so call to book your date early and bring your laptop.

Agenda:
 7:30am Welcome & Coffee
 8:00am Registration
 Lunch (Provided)
 4:00pm End of Day

Topics:
 • Motor & VFD Basics
 • VFDs: Drive Basics, Parameters & Macros
 • VFDs & PLCs
 • Communications Interface Basics
 • Inverter Modules
 • Electronic Bypass
 • Start-up & Service
 • Control & Monitoring
 • Troubleshooting
 • Application Notes
 • Hands-on demo units
 • Free software to program the affinity VFD, including CTSoft & CTScope.

15070 Proctor Ave., City of Industry, CA 91746 (626) 333-9942 (Fax) 855-4811 

October 8, 2010: Lochinvar Service Class, San Diego

Come learn the “5 things you should know” when installing Lochinvar water heaters, boilers and pool heaters.

This class will be held in the San Diego area. Each attendee will learn the recommended procedures of start-up, maintenance and trouble-shooting.

15070 Proctor Ave.
 City of Industry, CA 91746
 Phone: (626) 333-9942
 Fax: (626) 855-4811
www.elmcouddy.com

Creating demand for all our products

Oct 12-14, 2010: Solar Power International

Come see the new Lochinvar solar products at the Solar Power International Show on October 12-14, 2010 at the Los Angeles Convention Center in Booth 4608 located in South Hall.



**October 13, 2010:
Acorn Valve & Lochinvar Product Training, City of Industry**

The class will feature instruction on Acorn repair parts, Air-Trol, Flood-Trol and Safti-Trol valves in addition to Lochinvar boiler & water heater and parts.



Lochinvar
 Product Knowledge Class
 Wednesday, October 13th from 8am-3:00pm

Products Covered:
 Acorn Valves
 • Air-Trol
 • Flood-Trol
 • Safti-Trol
 • S-Mini
 Lochinvar Boilers & Parts

RSVP by October 8th:
 To Carrie at 626/333-9945 or Scott 951/734-1219
 Email: courses@elmcoduddy.com
 Space is limited so please contact us to secure your spot.
 Continental Breakfast available at 7:00am.
 Lunch will be served.
 We offer a one night hotel accommodation to anyone that is three hours or more drive time from our training location.

Location:
 ElmcoDuddy Training Room
 15070 Proctor Ave., City of Industry Valley & Hacienda Blvd., 5-60 Pkwy.

Hosted by: 



**October 29, 2010:
Lochinvar Service Class, City of Industry**

Come learn the “5 things you should know” when installing Lochinvar water heaters, boilers and pool heaters.

This class will be held at our City of Industry facility. Each attendee will learn the recommended procedures of start-up, maintenance and trouble-shooting.



You're invited to...

Lochinvar Installation, Service & Troubleshooting School

Come find out the **5 Things You Need to Know** when installing, servicing or maintaining a Lochinvar Copper-Fin II Boiler, Water Heater or Pool Heater.

When: Friday, October 29th
Time: 8:00am - 1:00pm
Where: ElmcoDuddy
 Registration Fee: \$35.00 (Includes Service Manuals & Instructional CD-Rom, Certificate of Completion, Hat & Lunch)
RSVP by October 22nd to: Carrie at 626/333-9945 or courses@elmcoduddy.com
Space is limited.

Hosted by: 

15070 Proctor Ave.
 City of Industry, CA 91746
 Phone: (626) 333-9942
 Fax: (626) 855-4811
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