



elmco
duddy

Dollars & Sense



May 2011, Volume 7

Two Locations:

- * Industry
- * San Diego

Sister Companies:

- * Elmco & Assoc., Sacramento
- * Elmco/Ford, Las Vegas
- * Elmco/Stewart, Phoenix

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Mechanical

Plumbing

New Representation of Apollo Valves by Conbraco Industries

Elmco/Duddy is pleased to announce that we are once again the Southern California manufacturer representative of **APOLLO VALVES**.

"Both companies realized after the nearly year and a half separation that we are much better together than apart," said Tom Duddy, CEO of Elmco/Duddy. "We are excited to bring Apollo back to this market place, especially with the new products and features they have to offer," added Duddy.

Apollo Valves® is proud to introduce their new line of multi-turn cast bronze gate, globe and check valves.

Suitable for a wide range of applications including HVAC systems, potable water, irrigation and OEM, these valves are an ideal complement to Apollo's existing family of commercial products including ball valves, butterfly valves, and pressure reducing valves.

Proudly Made in the USA, Apollo's new line of bronze

multi-turn valves are cast, machined, assembled and 100% tested in their foundry and assembly plants in Pageland, South Carolina.

Bronze multi-turn valves in class 125, 150 and 200 CWP are now in stock and available to ship. A Lead Free option will be available in next month.

The Apollo International® line of flanged cast iron gate, globe and check valves in sizes 2" - 24" will commence shipping this month.

Bronze multi-turn valves in class 300 will commence shipping later this year.

Apollo Valves® Extends Warranty an Additional 3 Years

Apollo Valves just announced that effective immediately they will have extended their warranty on all domestic products produced in their

South Carolina facilities by an additional 3 years for a total of 5 YEARS!

Their commitment to the tough standards of ISO 9001:2000, the rigorous control of the content of their raw materials, the continuous monitoring of all systems and operations; and their documented testing and inspection of all components and products -- results in Apollo-branded valves that are clearly the industry standard.

For over 80 years -- Apollo Valves has been synonymous with trust, confidence and reliability. Their new FIVE-YEAR warranty on domestic Apollo valves, free from defects in workmanship and material, demonstrates the continued confidence they have in their US-produced products:

- Actuators & Controls
- Ball Valves
- Butterfly Valves
- Check Valves
- Gate & Globe Valves
- Pipeline Strainers
- Plumbing & Heating Accessories
- Safety Relief Valves

Please link to apollovalves.com for a Virtual Factory Tour, 3D / CAD Drawings (available formats: dwg, par, rfa, pdf, sat), Master Specifications, ISO Certifications, and all of the product documents you may need.

Give us a call today for pricing and availability at 626/333-9942.



WE SAW AN OPENING ...

... an opening created by the shortcomings of certain old line competitors.

AVAILABLE NOW!

Apollo Valves introduces the first new line of **AMERICAN MADE Bronze Gate, Globe & Check Valves** in decades





EVENT SCHEDULE



Event Schedule

5/17-5/19/11

Emerson Affinity Certification
School, City of Industry

-

5/26/11

CPMCA Table Top

-

5/30/11

Memorial Day
Closed

-

6/14/11

Engineer Solar Training
Steven's Steak House,
Commerce

-

6/15/11

Engineer Solar Training
Holiday Inn Santa Ana

-

6/15-6/16/11

Energy Management Congress
(EMC) 2011 Long Beach
<http://www.energyevent.com>

For information or to RSVP on any
of the above events, please contact
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Creating demand for all
our products

Just Announced: Engineer Solar Training Sessions in June

On June 14 & 15th, Elmco/Duddy with Paul Rohrs and David Flores of **LOCHINVAR** will be hosting four separate engineer training sessions on the Lochinvar-TiSun line of Solar Thermal products.

Paul Rohrs is a Product Manager for Lochinvar Corporation and his responsibilities include Lochinvar's Solar

Initiative and Residential Boiler Products. Paul has been in the Plumbing, Heating and Cooling Industry for 22 years

and was previously a licensed contractor with radiant design and installation experience. Paul has written articles for PHC News, Plumbing Engineer, and HPAC Engineering.

David Flores is the Southwest Regional Manager for Lochinvar Corporation and has taken a special interest in the Lochinvar-TiSun product line.



Paul Rohrs, Lochinvar
Solar Product Manager

In this class you will learn more on:

- Understanding SRCC
- Flat Plate Collectors vs. Evacuated Tubes
- Forced Circulation vs. Drainback
- Responsible Solar Sizing
- Differential Controls
- Commercial Solar Thermal and Hybrid System
- Start-Up and Commissioning

The four training sessions will be hosted at the following locations:

Los Angeles Session 1:

When: Tuesday 6/14/11
Where: Steven's Steakhouse
5332 Steven's Place
Commerce, CA 90040
Time: 8:00 am - 11:30am

Los Angeles Session 2:

When: Tuesday 6/14/11
Where: Steven's Steakhouse
5332 Steven's Place
Commerce, CA 90040
Time: 1:00 pm - 4:30pm

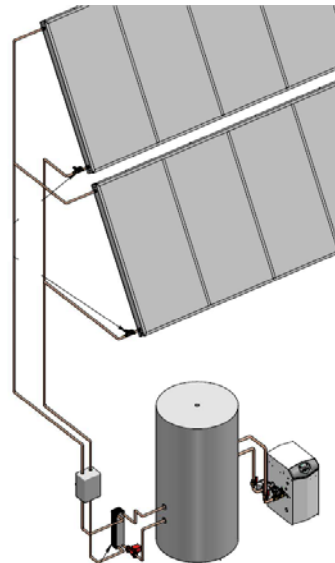
Orange County Session 1:

When: Wednesday 6/15/11
Where: Holiday Inn Santa Ana
2726 S. Grand Ave.
Santa Ana, CA 92705
Time: 8:00am - 11:30am

Orange County Session 2:

When: Wednesday 6/15/11
Where: Holiday Inn Santa Ana
2726 S. Grand Ave.
Santa Ana, CA 92705
Time: 1:00pm - 4:30pm

You only need to attend one of the 3-1/2 hour sessions.



For additional information or to RSVP for any of these training sessions, please contact Carrie at 626/855-4845 or cpunsalang@elmcoduddy.com.



Find us on Facebook as well as Apollo, Chronomite, Hci Hydronic Components, QuantumFlo, Taco HVAC, Taco Advanced Hydronics, & Weiss Instruments

MECHANICAL

Flex-Hose offers STOPLINK™- an Expansion Joint Control Assembly

When installing any rubber connector or expansion joint, use the StopLink from **FLEX-HOSE**.

It is easy to install. Simply remove it from the box and bolt it to mating flanges. It is factory designed and assembled with no loose parts or field adjustments.

The main benefit is the restriction on the rotational capabilities of spherical rubber expansion joint floating flanges. It protects from over axial extension without restricting

design movements.

Another benefit is the dampening properties of the cable which prevent transmission of vibration and noise from rotational

equipment or media flow.

It's a fraction of the weight of conventional control rod assemblies reducing handling and shipping costs.

Best of all... no future maintenance is required.

Use it with **FlexZorber** single and double sphere flanged expansion joints/flexible connectors.



Introduction to Taco's Chilled Beam Technology

Designing systems for enhanced sustainability has become a priority concern for many HVAC professionals, as it has been for some time at **TACO**. They are thoroughly committed to developing sustainable products and systems, and operating their company based on sustainable principles.

An example of this is Taco's LOFlo system. It helps to maintain comfortably cool temperatures even during the summer months by removing heat from interior spaces through a series of chilled water-filled pipes. The system

offers substantial comfort, energy-efficiency, and operational savings over traditional HVAC systems.

In particular, chilled beam systems use almost no airflow, eliminating drafts and substantially improving comfort in comparison to all air or direct refrigerant systems.

Taco LOFlo chilled beam cooling also provides a healthier school environment for students because the technology does not circulate dirt, dust, or germs the way traditional forced-air systems do.

With chilled beams, cold water

circulates through tubing embedded in metal ceiling fixtures to wick away heat. What makes the technology so significant is its broad applicability for commercial structures and its extreme energy- and thermal-efficiency.

The award-winning Taco LOFlo™ system sets a new standard in comfort, ease of design, chilled beams, radiant cooling/heating and Green Building energy performance for small to large buildings. Simply put, it's Taco's best.



[Learn more about Taco's chilled beam technology.](#)

Emerson's Affinity Variable Frequency Drives - IN STOCK!

Do you need a variable frequency drive in a hurry? We stock **EMERSON's** Affinity models from 3 to 125 HP in various voltages here at our City of Industry facility.

The Affinity is the energy saving AC drive specifically designed for HVAC building automation systems. It delivers reliability, ease of use and customer satisfaction.

Affinity includes all of the features you would expect from a dedicated HVAC drive, plus more:

- Free software tools for

energy saving calculations, harmonic analysis & commissioning and monitoring

- Onboard controller and real-time clock: enables increased control system redundancy for critical equipment, reduces costs and improves performance for OEMs and simplicity in small HVAC systems where a full building management system is not required
- Motor pre-heat for preventing condensation forming
- High Switching frequency to

16kHz for quiet motor operation

- Two PID loops (e.g. temperature or pressure control)
- Sleep / wake mode
- SmartCard data storage for back-up and copying of drive configuration
- Pluggable terminals for simple installation and maintenance
- Easy connectivity to BACnet , Metasys N2, Modbus, Lonworks*, Ethernet*, DeviceNet*, PROFIBUS*, Additional I/O*.

For more information on the Affinity VFD by Emerson click [here](#)



PLUMBING

NEW ASSE 1016 Compliant Acorn Shower-Ware—Version B

ACORN is currently upgrading its Apex line of Shower-Ware. The new ASSE 1016 compliant Temperature-Pressure Balancing mixing valve replaces Safti-Trol hot and cold pressure balancing valve, Safti-Therm hot and cold temperature balancing valve, and Single-Trol hot and cold mixing valve. The letter "B" in the model number indicates the new version.



Apex Flush Mounted (Type 1) and Surface

Model 410B Flush Mounted Shower (Type 1)

mounted (Type 5) are currently available with the new Temperature-Pressure Balancing mixing valve. The valve option for this is (-8) making Type 1 showers model number 418B and the handicapped version 418BADA.

For the Type 5 showers the new model numbers are 458B and 458BADA respectfully.

This is just the beginning as they are making their



Model 450B Surface Mounted Shower

way through the Apex showers to make them ASSE 1016 compliant. The Eco-Rain Surface mounted models (Type 8) will be available soon and the Corner mounted, Two- and Three-Station models are currently in engineering.

Again, Acorn is leading the way in making our products code compliant to the changing requirements.

Submittals and installation drawings are available online or from our customer service department at (626) 333-9942.



Est. 1954

For more information on Acorn Shower-Ware products, click [here](#).

Getting Started with Solar: Lochinvar Solar Thermal Collectors

In last month's Dollars & Sense we began our series "Getting Started with Solar." Now we are on to the collectors, the heart of every LOCHINVAR-TISUN system.

Lochinvar offers solar thermal flat plate collectors that are constructed with performance and durability in mind.

All collectors offered by Lochinvar bear the OG100 certification by the SRCC

SOLAR COLLECTOR CERTIFICATION AND RATING

CERTIFIED SOLAR COLLECTOR

SUPPLIER: Lochinvar Corporation
300 Maddox Simpson Pkwy
Lebanon, TN 37090 USA

MODEL: SCH065

COLLECTOR TYPE: LochinvarTISun Glazed Flat-Plate

CERTIFICATION#: 2010061B

Megajoules Per Panel Per Day				Thousands of BTU Per Panel Per Day			
CATEGORY (T-Ta)	CLEAR DAY	MILDLY CLOUDY	CLOUDY DAY	CATEGORY (T-Ta)	CLEAR DAY	MILDLY CLOUDY	CLOUDY DAY
A (5°C)	89.7	62.9	46.2	A (40°F)	85.1	64.3	43.7
B (6°C)	81.7	59.8	38.1	B (48°F)	77.4	56.7	36.1
C (20°C)	68.1	47.7	26.4	C (36°F)	65.5	45.2	23.0
D (30°C)	44.2	25.1	7.0	D (80°F)	42.1	23.8	6.7
E (35°C)	21.7	9.9	0.0	E (144°F)	20.6	9.8	0.0

A- Pool Heating (Warm Climate) B- Pool Heating (Cool Climate) C- Water Heating (Warm Climate) D- Water Heating (Cool Climate) E- Air Conditioning
Original Certification Date: 30-AUG-10

(see Figure 1). This certification lists the performance test data as well as materials used to construct the collector.

Lochinvar offers six different Solar Thermal Collectors. These collectors are available as SCH Commercial collectors and Light Duty SLV or SLH collectors. The SLH/SLV collectors feature 27.5 square feet of collector

space. The commercial line of SCH collectors are available with 65, 88, 110, and 130 square feet of collector space.

The product features:

- High efficiency solar thermal panel with PVD coating, laser welded absorber and serpentine heat transfer system
- Low heat loss, high insulation values
- Versatile on-roof or free standing installation
- Weather-resistant anthracite powder coated aluminum frame for a long service life
- 10-year Limited Warranty



For more information on Lochinvar's solar thermal product offering, click [here](#).

Figure 1.

PPP's PRO1-500 Trap Primer Solves Insufficient Pressure Drop Issues

Have pressure drop issues? The newest development from PPP is the Prime-Pro™ Floor Drain Trap Primer. The PRO1-500 provides the newest technology to solve insufficient pressure drop.

The Prime-Pro is activated when sensing potable water flowing at an adjacent plumbing fixture. This trap priming device must be installed on the cold water line leading to the plumbing fixture; the valve then emits fresh cold potable water to a floor drain trap as long as the fixture is in use,

providing adequate trap seal. Providing potable water to the trap seal is essential in preventing sewer gas escape and bacteria growth.

The Prime-Pro trap primer is equipped with vacuum breaker ports and internal back-flow protection to prevent cross connection. The valve is factory pre-set and 100% function tested prior to being labeled and boxed.

The Prime-Pro trap priming valve is designed for multiple floor drain

trap seal applications. The valve is activated at a minimum flow rate of 0.5 GPM at 20 PSIG.

This product has been third party tested and meets the requirements of ASSE Standard 1018.

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

PPP—Specify with Confidence. Install with Pride.



PART NO: PRO1-500

