



# elmco duddy Dollars & Sense



October 2011, Volume 9

## Plumberex Selects Elmco/Duddy as Southern California Territory Representative

Elmco/Duddy is proud to announce representation of PLUMBEREX, the premier line of ADA Under Lavatory/Sink Insulator Protectors and Covers.



PLUMBING ELEMENTS AND FACILITIES Code 606.5: Exposed Pipes and

Surfaces. The code states that **“Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.”**

This is the perfect time to specify and/or submit on Plumberex for projects where the start date for construction is on or after March 15, 2012. This includes all newly constructed or altered State and local government facilities. They must comply with the 2010 Standards.

For any questions on this code or any of Plumberex products, just give us or Plumberex a call at (800) 475-8629.

### Two Locations:

- \* Industry
- \* San Diego

### Sister Companies:

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

Universally accepted, the Handy-Shield Maxx and Trap Gear products meet the following standards:

- IBC ASTM E84 and UL723 Flame & Smoke Standards
- ADA 2010 Accessible Design 4.19.4, 4.24.6; ADAAG 606.5
- ICC/ANSI A117.1-606.6; GSA and DOD's ABA 606.5

The Elmco/Duddy - Plumberex team offer:

- Full line of superior ADA insulation protectors and ADA Specialty Items
- Automatic order and shipping confirmations

- Full color packaging and POP display
- Current ADA laws and code information
- Technical education and support to the Industry

Please continue to contact Plumberex directly at (800) 475-8629 as they will continue to provide customer service, inventory and ship from their Palm Springs location. All of your existing programs will remain in effect and there should be no interruption of service to you.

### Did you know?

The 2010 ADA Standards for Accessible Design go into effect on March 15, 2012.

Relevant to Plumberex product offerings is CHAPTER 6:

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MECHANICAL



Emerson Affinity Drives by Control Techniques Now are Officially BACnet Listed

Did you know that **EMERSON** by Control Techniques Affinity Series drives have built-in serial communications capability? Modbus, Johnson Controls N2 and BACnet are all included with every Affinity drive.



BACnet is an ASHRAE-developed protocol that is considered an open (non-proprietary) protocol.

Emerson's implementation of this protocol has been tested and verified by BTL (BACnet testing laboratories).

You can find information on BTL and BTL-listed products at:

[www.bacnetinternational.net/btl/](http://www.bacnetinternational.net/btl/)

Control Techniques' listing can be accessed at:

[www.bacnetinternational.net/btl/index.php?m=96](http://www.bacnetinternational.net/btl/index.php?m=96)

The actual certificate of compliance for our product can be found at:

<http://www.hvacr-drives.com>

under "Affinity documentation."



BACnet is a registered trademark of ASHRAE. ASHRAE does not endorse, approve or test products for compliance with ASHRAE standards. Compliance of third products to the requirements of ASHRAE Standard 135 is the responsibility of BACnet International (BI). BTL is a registered trademark of BI.

BACnet Testing Laboratories Product Listing

This product has been tested at a qualified BACnet Testing Laboratory and found to comply with all the necessary interoperability requirements as shown on the published test data. This listing represents the tested capability of the Listed Product. For information on additional functionality that was not covered in the test process, refer to the Manufacturer's PCC statement on the BI website.

Listing Information			
Vendor	Control Techniques Nives LLC		
Location	Tyngsboro, 70 Mosheke Industrial Estate, Tyngsboro, MA 01776, U.S.A.		
Listing Category	Control Techniques		
Requirements as of	July 2009		
Revision	4 (135-2004)		
Date Tested	March 2011		
Product Name	Model Number	Software Version	
Affinity VSD	BA1001	BA1001	01.03.08
	BA1002	BA1002	
	BA1003	BA1003	
	BA1004	BA1004	
	BA1005	BA1005	
	BA1006	BA1006	
	BA1007	BA1007	
	BA1008	BA1008	
	BA1009	BA1009	
	BA1010	BA1010	
	BA1011	BA1011	
	BA1012	BA1012	
	BA1013	BA1013	
	BA1014	BA1014	

Device Profiles	Profile	Model Numbers
BACnet Application Specific Controller (ASC)		All Devices

BIBBs Supported	Manufacturer	Model Number
Data Sharing	Manufacturer	Model Number

Taco Adds 4 Powerful New Features that Work for You



**TACO, INC.** just updated its popular [Pump Selection Wizard](#) so you can do more in less time than ever with this handy online tool.

The enhanced Pump Wizard enables you to search wider and deeper than before, with no added effort, and to get more comprehensive results. Pump curves are only the start of what the new Pump Wizard delivers. Yet it is still as easy to use as ever.

New Tab Structure

A new tab structure enables you to compare pumps side-by-side within the service flow range you enter in the Wizard. Choose a pump. Choose a second pump and the data appears under an additional tab. You have full access to all information in all open tabs.

Compare Up to 7 Pumps Side-by-Side

For detailed comparison and to help you narrow your search, you can see and compare up to seven pumps simultaneously.

Find Everything in One Place

Now you get the documents associated with the selected pump

Search	Results	F1/CE3011 400@100	TA1030 400@100	TA1229 400@50	F1/CE4007 400@50																																																																															
Flow (gpm): 400 Head (ft): 100 Min Eff: 50 Fluid: Water @ 60°F RPM: All Motor: 60Hz Units: US	<table border="1"> <thead> <tr> <th>Model</th> <th>HP</th> <th>NPSH(ft)</th> <th>RPM</th> <th>Imp. Dia.</th> <th>Eff %</th> <th>NOL HP</th> <th>Suct./Disch</th> </tr> </thead> <tbody> <tr> <td>F1/CE3011</td> <td>13.20</td> <td>10.6"</td> <td>11</td> <td>1760</td> <td>77%</td> <td>16.13</td> <td>4" x 3"</td> </tr> <tr> <td>TA1030</td> <td>13.49</td> <td>10.1"</td> <td>5</td> <td>1760</td> <td>75%</td> <td>17.94</td> <td>5" x 4"</td> </tr> <tr> <td>KV/KS3007</td> <td>13.47</td> <td>5.6"</td> <td>12</td> <td>3500</td> <td>75%</td> <td>15.40</td> <td>3" x 3"</td> </tr> <tr> <td>F1/CE4013</td> <td>13.62</td> <td>9.7"</td> <td>8</td> <td>1760</td> <td>74%</td> <td>22.61</td> <td>5" x 4"</td> </tr> <tr> <td>KV/KS4011</td> <td>13.83</td> <td>10.6"</td> <td>14</td> <td>1760</td> <td>73%</td> <td>16.91</td> <td>4" x 4"</td> </tr> <tr> <td>TA1229</td> <td>13.76</td> <td>9.9"</td> <td>7</td> <td>1760</td> <td>73%</td> <td>23.03</td> <td>6" x 5"</td> </tr> <tr> <td>F1/CE3507</td> <td>14.01</td> <td>5.5"</td> <td>14</td> <td>3500</td> <td>72%</td> <td>16.36</td> <td>3" x 2 1/2"</td> </tr> <tr> <td>TA0838</td> <td>14.32</td> <td>11.3"</td> <td>8</td> <td>1760</td> <td>71%</td> <td>16.03</td> <td>4" x 3"</td> </tr> <tr> <td>KV/KS4013</td> <td>14.31</td> <td>11.0"</td> <td>12</td> <td>1760</td> <td>71%</td> <td>16.62</td> <td>4" x 4"</td> </tr> </tbody> </table>	Model	HP	NPSH(ft)	RPM	Imp. Dia.	Eff %	NOL HP	Suct./Disch	F1/CE3011	13.20	10.6"	11	1760	77%	16.13	4" x 3"	TA1030	13.49	10.1"	5	1760	75%	17.94	5" x 4"	KV/KS3007	13.47	5.6"	12	3500	75%	15.40	3" x 3"	F1/CE4013	13.62	9.7"	8	1760	74%	22.61	5" x 4"	KV/KS4011	13.83	10.6"	14	1760	73%	16.91	4" x 4"	TA1229	13.76	9.9"	7	1760	73%	23.03	6" x 5"	F1/CE3507	14.01	5.5"	14	3500	72%	16.36	3" x 2 1/2"	TA0838	14.32	11.3"	8	1760	71%	16.03	4" x 3"	KV/KS4013	14.31	11.0"	12	1760	71%	16.62	4" x 4"			
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models, along with their pump curves. You can see and compare instruction sheets, submittal data sheets and replacement parts lists, along with the pump curves you are accustomed to seeing.

Print Everything

With one click, you can print all your search results, including full-size pump curves.

[See for yourself right now](#) the power and convenience of Taco's improved Pump Selection Wizard.

**Pump Selection Wizard**

Home > Support > Pump Selection Wizard

Search: Flow (gpm): 400, Head (ft): 50, Min Eff: 50, Fluid: Water @ 60°F, RPM: All, Motor: 60Hz, Units: US

Results: F1/CE3011, TA1030, TA1229, F1/CE4007

**TA1030 Specifications**

Flow: 400, Head: 100, RPM: 1760, Imp Dia.: 10.1, Suct.: 5 x 4, Eff: 75%, HP: 13.49, NOL HP: 17.94, NPSH: 5 ft

Related Documents:

- Catalogs: TA Single Stage Double Suction Horizontal Split Case Pumps
- Instruction Sheets: TA Base Mounted Pumps
- Submittal Data Sheets: Model 1030 - 1760 RPM (301-638) Enter your job data
- Replacement Parts: Models TA1030, 1224, 1229, 1230 & 1524 (304-056)

**Strato-Therm+ Solar Tank Now Available from Lochinvar Corp.**

**LOCHINVAR** is pleased to announce the release of the Strato-Therm+ Stratified Solar Tank which acts as three appliances in one:

1. Stratified Solar Thermal Storage Tank
2. Indirect Domestic Water Heater
3. Hydronic Buffer Tank

In order to maximize the efficiency of all three of these systems; solar thermal, hydronic heating and domestic hot water heating, the Strato-Therm+ is designed to store hot water in the top of the tank

while keeping the bottom of the tank cold.

The stratification is made possible by the spherical heat exchanger that is tied to the storage tank at four points. This spherical heat exchanger utilizes the natural buoyancy of the heated water to heat the top of the tank first.



By keeping the tank stratified, the Strato-Therm+ will easily meet hydronic heating and domestic hot water demands while simultaneously optimizing solar thermal collector efficiency.

These tanks, available in 9 sizes ranging from 125-900 gallons, are available for immediate order.



For more information, please give your sales person a call at (626) 333-9942.

**The CPVC/PVC vs. Polypropylene and PVDF Debate: Laboratory Drainage**

According to a recent white paper from **ORION FITTINGS**, CPVC & PVC are fundamentally different than Polypropylene and PVDF in one very important way. The vinyl polymers (PVC, CPVC) are very amorphous (non-crystalline) thermoplastics, whereas polypropylene (PP) and PVDF are highly crystalline thermoplastics. It is the lack of crystallinity (amorphousness) in PVC and CPVC that allow the materials to be readily solvated (attacked by solvents) and subsequently made vulnerable to environmental stress cracking by various chemical agents. The ability of PVC and CPVC to be solvated is the very

reason why the vinyl products can be solvent welded in the first place, whereas PP and PVDF must be heat fusion welded. Common laboratory reagents listed below are not compatible with CPVC, but are handled routinely by PP and PVDF in laboratory mixed waste applications:

- Formaldehyde
- Ammonium Hydroxide
- Toluene
- Acetone
- Methyl Ethyl Ketone (MEK)
- Common Disinfectants

A common challenge in laboratory waste systems is the fact that combinations of chemicals have to be dealt with on a regular basis.

Individual chemicals which may normally have little or no effect on materials such as CPVC may produce a chemical reaction resulting in a chemical such as an ether which can then devastate the CPVC piping.

Some "Labwaste" chemical resistance guides imply that the chemicals that are otherwise unsuitable for use with CPVC can be used when diluted with water. The piping system must also be flushed afterward. This is not a requirement of PP or PVDF acid waste systems, but is absolutely a must for CPVC in acid waste services.



For a copy of the complete white paper or to view the time-lapsed videos showing the effects of Acetone and MEK on CPVC, or for a copy of the U.L. Certification, please give your sales person a call.

**Bariatric Water Closet Supports from Jay R. Smith Meet Static Load Requirements**

The size of the American population is increasing at an alarming rate. This is a fact and a trend that has the medical community concerned. The American Society of Bariatric Physicians (ASBP) considers obesity a chronic medical condition caused by a blend of generic, behavioral, cultural and environmental factors.

The off-the-floor water closet has been the

preference for medical/health facilities for many years. The sanitary feature of cleaning efficiently and thoroughly below the water closet bowl has always been an important consideration.

The plumbing fixture and fixture support manufacturers have responded with robust designs for both the fixture and support. The requirements classified as bariatric are static



loads for 500 lbs., 750 lbs., and 1,000 lbs. **JAY R. SMITH** has engineered a support for each of these classifications. The 0200Y-M54 standard support will service a 500 lbs. static load.

Smith tests their supports by means of applying hydraulic pressure at different weights and recording the deflection at both the fixture rim and at the wall in accordance with the National Standard.



For more information on Jay R. Smith's product offering, click [here](#).



## Calendar

11/6/11

Daylight Savings

-

11/23/11

Half Day Shutdown

Close at Noon

-

11/24/11 & 11/25/11

Thanksgiving Day Observance

-

12/23/11

Half Day Shutdown

Close at Noon

-

12/26/11

Christmas Day Observance

Find us on [Facebook](#)

and link to Apollo, Chromomite, HCl Hydronic Components, QuantumFlo, Taco HVAC, Taco Advanced Hydronics & Weiss

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[www.facebook.com/elmcooduddy](http://www.facebook.com/elmcooduddy)

Creating demand for all  
our products

## Changing Times Call for Changing Territories...

You may have noticed a few changes lately at Elmco/Duddy.

**Tom Duddy & Richard Root** are back in the Orange County territory calling on customers. Tom is focusing on plumbing contractors while Richard is handling the plumbing and mechanical engineering community.

**Stephanie Miner** has moved from the Ventura North / Bakersfield territory to our San Diego location. **Andy Lopez** and **John Zagorski** are now covering her previous territory.

**Rick Curtis & Gregg Gridley** have added the Lancaster/Palmdale area back into their territory.

**Lynette Velazquez** has been promoted to Customer Service Manager.

**Justin Chapman** has moved from our Industry location to San Diego.

## Gennusa Joins E/D Group as Industrial Sales Manager

Join us in welcoming **Joe Gennusa** to Elmco/Duddy's team. Joe is heading up our Industrial Product Division, specializing in our Apollo Valve line.



"He is an immediate plug-in," according to Tom Duddy. He added that "Joe is very familiar with our territory as he has been calling on our same customer base since the 1980's."

Joe's responsibilities include focusing on mechanical contractors and engineers, distribution, end-users and educational targets in Southern California.

When Joe is not working, he enjoys spending his time with his two children and wife of 27 years.

## BIM / Revit Files Available for Download from Acorn Website

Acorn Engineering now offers BIM/Revit files direct to you that can be downloaded from their website.

From their home page ([www.acorneng.com](http://www.acorneng.com)) click on Resources. A window will open that will allow you to click on BIM/Revit. The other way to find them is to scroll all of the way to the bottom of the home page where you'll find a link to "Submittals, CAD Drawings, BIM/Revit Models, etc."

You can download just a few .rfa files or all at one time in a .zip.

Available files for:

- Comby's
- Lavatories
- Drinking Fountains
- Detox Toilets
- Urinals
- Apex Showers
- Terrazzo Lavs
- Meridian & Stainless Corterra Counters & basins
- Scrub Sinks
- Hose boxes & valves
- Wash-ware
- Terrazzo Mop Sinks
- Master-Trol Electronic Valve

In addition to Acorn, we offer BIM/Revit files for Lochinvar, Orion, Powers, and Taco. PPP will be available soon.

## Meet Some a Few New Faces



Our new Receptionist, **Doris Cardiel (left)** & **Christina Draeger**, our new Will Call Counter Person (right)



Happy Halloween