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## Seasons Greetings!

With Thanksgiving and Christmas around the corner, all of us at Layne / Verti-Line would like to extend a “Seasons Greetings” to all. We have a lot of information to share in the ‘Holiday Issue’ of our newsletter.

First, we’re pleased to say our newsletter has been going strong for over a year now. We strive to provide a variety of articles so it’s fun and interesting to read. In this issue we’ve included an advertisement for Pump Services Group (PSG), which is Layne / Verti-Line’s factory rebuild center. PSG can rebuild any pump, regardless of size or manufacturer. Also, our plant is undergoing a lot of improvements such as additions of new equipment. So we’d like to give you a tour to show off some of our capabilities. Of course we also have several marketing updates to share, with the biggest announcement being new vertical motor catalogs from USEM.

Finally, as 2007 comes to a close we want to thank all our distributors and factory representatives for their continued support of Layne & Bowler / Verti-Line. Our success comes directly from your help in the field.



## New Vertical Motor Catalog

USEM just released a new catalog for their vertical hollow and solid shaft high thrust motors. This catalog has been in the making for several years, and includes the same type of data as the old catalog with the exception of motor operating characteristics (i.e. – efficiencies and power factors). Your current published multipliers will apply to the new catalog. Look for this catalog to be on your doorstep very soon!



## Show Pumps

We've started work to bring our show pumps back to pristine condition for display at trade shows. Our inventory of pump designs includes low lift prop and mixed flow, above and below ground discharge, submersible, short set, and well applications. Many of our pumps are from the old Layne Memphis days. Some require new stands while others need paint. The first one we've recently refurbished represents our turbine firepumps.



If you are hosting a local tradeshow, consider displaying one of our vertical turbine show pumps!

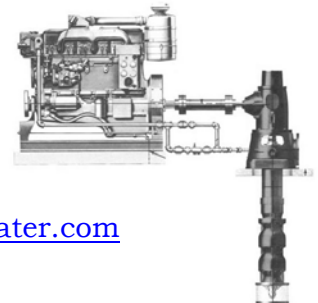
## Bit of Trivia...

During WWII, to ration copper Verti-Line installed bowl bearings in every other stage. For example on a 5 stage pump, Verti-Line would leave out the bearings on the second and fourth stages. This rationing for the war effort was nearly forgotten until decades later when well pumps built during that era were pulled for servicing, and bowl bearings were found missing!



## Firepump Pricing

Updated vertical turbine firepump electronic estimate sheets were distributed in October. These estimate sheets provide an easy way to develop quotes and write up orders. If you are an Aurora firepump distributor and have not received the latest electronic estimate sheet, please send an email to:



Carolyn Crews  
[carolyn.crews@pentairwater.com](mailto:carolyn.crews@pentairwater.com)

The latest version of the estimate sheets are:

Rev 13 VTFP ELECTRIC-AURORA  
Rev 13 VTFP DIESEL-AURORA

## Upcoming Events - ASHRAE

Layne / Verti-Line will be included with Aurora Pump at the 2008 ASHRAE trade show. Aurora's booth number will be 2207. If you are attending the show, please stop by and visit with our factory representatives.

Jan 22<sup>nd</sup> – 24<sup>th</sup>  
Jacob Javits Convention Center  
New York, NY

## Factory Tour

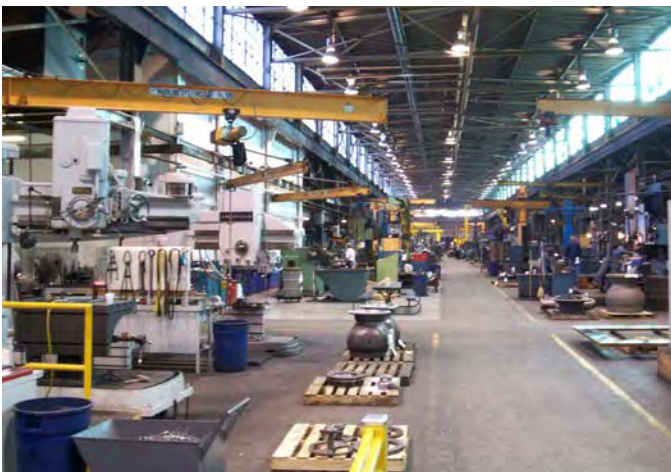
Welcome to the Kansas City Plant! We're about to enter the manufacturing area where we build turbines from 6 inch to 5 feet in diameter. Safety glasses on, and please stay inside the yellow lines.



Above is our Impeller Cell, where we can machine, polish and balance impellers in one location. Below you can see LAD cast iron heads being machined on one of our many CNC machines.



Next, we'll walk down the main isle where many of the large components are machined.



Above is one of our latest additions, which adds to our machining capabilities on large fabrications such as discharge heads. Sitting opposite is a 57 inch bowl being turned on an older vertical turret lathe. The horizontal lathe below is where we turn many of our large shafts.



Outside our main building, raw fabrications wait to be machined. We have our own on-site weld shop.

Moving along the center isle, we come upon our test floor. Smaller pumps are tested in prearranged pit while larger pumps require custom pipe arrangements and are situated in our large test pit.



Walking to the east end of the plant, you'll see our paint booths and shipping area.



Moving to the south side of the building, you can see our warehouse, which is currently being reorganized to increase efficiency at which parts are located and pulled for orders.



Coatings are inspected for proper mil thickness, and each pump is carefully prepared for shipment.



Well, that's all the time we have for today. Thank you for visiting Layne / Verti-Line, and we hope you enjoyed the tour.

Feel free to contact and visit us at Layne / Verti-Line any time!

## Contact Information

There have been some recent changes in contacts at Layne / Verti-Line. Note your new contacts, which are highlighted in **GREEN**.

### Layne & Bowler/ Verti-Line

**Address** 3601 Fairbanks Ave.  
Kansas City, KS 66012  
**FAX** (913) 748-4030

#### Website (all go to one site)

[www.laynevertiline.com](http://www.laynevertiline.com)  
[www.vertiline.com](http://www.vertiline.com)  
[www.laynebowler.com](http://www.laynebowler.com)  
[www.lvlpump.com](http://www.lvlpump.com)

### Pump Sales, Tech Support, Newsletter

Chris Lula, P.E.  
(913) 748-4254 phone  
[chris.lula@pentairwater.com](mailto:chris.lula@pentairwater.com)

### Parts Sales & Order Status, Tech Support

Josh Blanks  
(913) 748-4255 phone  
[josh.blanks@pentairwater.com](mailto:josh.blanks@pentairwater.com)

### Pump Order Entry

[LVProduct@pentairwater.com](mailto:LVProduct@pentairwater.com)

#### South, West, & Midwest

Carol Hampton  
(913) 748-4224 phone

#### East & Canada

Eddie Fears  
(913) 748-4282 phone

#### Firepump

Melissa Thompson  
(913) 748-4225 phone

### Pump Order Status (US & Canada, Only)

Melissa Thompson  
(913) 748-4225 phone  
[LVDeliveries@pentairwater.com](mailto:LVDeliveries@pentairwater.com)

### Warranty and Field Service

#### Lorrie Eddins

(913) 748-4213 phone  
[lorrie.eddins@pentairwater.com](mailto:lorrie.eddins@pentairwater.com)

### Firepump Estimate Sheets

Carolyn Crews  
(913) 748-4209  
[carolyn.crews@pentairwater.com](mailto:carolyn.crews@pentairwater.com)

## Snapshot in History

International Water Supply (IWS) is a long time distributor of Layne & Bowler in Canada. Bruce Wilson, Vice President of IWS, was kind enough to share some old well drilling photos for our newsletter.



**Installations around the Country**



**Phoenix, AZ**  
 36GM – 1 stage  
 15,000 GPM @ 75’  
 400 HP @  
 900 RPM  
 Sold by James,  
 Cooke, & Hobson,  
 Inc.



**Fairfax County, VA**  
 24P – 2 stage  
 22,500 GPM @ 50’, 400 HP @ 900 RPM  
 30P – 2 stage  
 27,300 GPM @ 50’, 500 HP @ 720 RPM  
 12EHM – 4 stage  
 800 GPM @ 180’, 50 HP @ 1800 RPM  
 Sold by Wood Equipment Company



**Birmingham, AL**  
 38HOH – 5 stage, 14,000 GPM @ 460’  
 2000 HP @ 900 RPM  
 Sold by Dowdy & Associates, Inc.



**Cape Coral, FL**  
 24EHM – 2 stage, 5,000 GPM @ 173  
 300 HP @ 1200 RPM  
 Sold by Barney’s Pumps, Inc.



**Many, many moons ago...**  
 Propeller pumps for an installation in Georgia  
 Sold by General Pump and Machinery, Inc.

If you have a pump installation you’d like to share, send us a picture! Please include a brief description of the pump, service, and location. All submissions will receive a free gift from our Company Store.

### Pentair Water

#### Rollerball Pen

Marble Green Danish Round Rollerball Pen with Pocket Clip, Brass Gold Accent and Layne/Verti-Line Logo in Gold  
Item #LVDRNG

1-25: \$4.00 each, 26-50: \$3.80 each, 51+: \$3.60 each



#### Twill Ball Cap

100% Cotton, 6 Panel, Garment Washed, Unstructured Cap with Sewn Eyelets, Cloth Backstrap and Tri-Glide Buckle, LVL Logo Embroidered in Hunter Green  
Item #LV897

1-12: \$7.75 each, 13+: \$7.25 each

#### Black Pique Polo

Pique Knit Black Short Sleeved Polo in 100% Ring Spun Combed Cotton, Welt Collar and Cuffs, 7 oz. heavyweight with Embroidered LVL Logo  
Item LV420

1-12: \$20.50 each, 13+: \$19.50 each

Add \$3.00 each for 2XL, add \$4.00 each for 3XL



#### 11-In-1 Multi-Tool

This 2-1/2" X 3/4" 11-Piece Giftcor Stainless Steel Tool Features Micro Pliers, Needle Nose Pliers, Wire Cutter, 2 Flathead Screwdrivers, Phillip Screwdriver, 2 Knives, Nail File, Bottle Opener and Scissors in Pouch with Logo  
Item LV053

1-25: \$6.30 each, 26-50: \$6.00 each, 51+: \$5.70 each

#### Golf Ball Sleeve with Tees

Go nostalgic with golf balls that feature some of the older Layne and Verti-Line logos.  
Item LV312

1-25: \$8.50 each, 26-50: \$8.25 each,

51+: \$8.00 each

#### Marble Ironstone Mug

Large C Handle, 12 oz. Capacity, White Marble with logo in Green  
Item LV45123, 1-24: \$4.00 each,  
25-48: \$3.70 each, 48+: \$3.45 each



To order Layne/Verti-Line Company Store items contact the Marketing Services Desk by email at [layne\\_info@pentairwater.com](mailto:layne_info@pentairwater.com), or by fax at 913/748-4030. Please note, the above prices do not include applicable sales tax or actual shipping charges.

# PUMP SERVICES GROUP



Pentair Water

The **PUMP SERVICES GROUP** repairs, rebuilds or completely re-engineers almost all types of centrifugal, splitcase, vertical turbine, and propeller pumps, regardless of manufacturer.

Doesn't it make sense to have your pump repaired by someone who is highly skilled and experienced in pump repair? Located at the Layne/Verti-Line manufacturing facility in Kansas City, Kansas, the PSG offers these unique features:

- ✓ The flexibility and customer-oriented focus of a small pump shop
- ✓ The resources and capabilities of one of America's primary pump manufacturers:
  - OEM engineering services
  - Large machining capacity
  - Professional manufacturing control
- ✓ Years of experience in rebuilding pumps in all sizes from 2" to 144" discharge
- ✓ Virtually any application, from public works and utility, to industrial and fire protection



***You can benefit from our ability to restore performance and reliability to your pumps, at lower prices and shorter delivery times than new replacement!***

**Testing.** Very few facilities in the U.S. have the capability to perform Certified Pump Performance Tests on repaired units. Our controlled lab conditions - utilizing certified instruments - can assure beyond a doubt that head pressure, flow rate, horsepower and efficiency all meet specified requirements after rebuild. In applications where energy consumption is a primary consideration, such certification is essential.

**Quality.** OEM quality is standard with the PUMP SERVICES GROUP. Our association with Layne/Verti-Line's main manufacturing organization places us on a level with any original equipment manufacturer. Layne/Verti-Line is ISO 9001 Certified, and all PSG rebuilds are shipped with the *same twelve-month warranty as newly-manufactured pumps!*



## PUMP SERVICES GROUP

Layne/Verti-Line  
913-371-5000, Fax 913-371-0515  
Toll free 800-648-7867  
[www.lvlpump.com](http://www.lvlpump.com)