

# Update

Spring, 2003

**Metropolitan Industries**

**Romeoville IL, USA**

## **NEW PUMP LINE GIVES METROPOLITAN A BOOST**



***The complete product line of Grundfos Pump of Denmark. Metropolitan Industries, Inc. is the newest representative of this pump line that adds 10-12 new products to the residential and commercial departments.***

Metropolitan Industries, Inc. now represents a popular residential and commercial pump line manufactured by Grundfos of Denmark.

With an annual production of 10 million pump units, Grundfos is one of the world's leading pump manufacturers. Circulator pumps, submersible pumps and centrifugal pumps are the three major product groups in their line. Today, Grundfos is the world's largest manufacturer of circulator pumps,

covering approximately 50% of the world market.

Circulator pumps are used for heating, ventilation and air-conditioning in domestic houses, office buildings, hotels, etc. A common use of a circulator pump involves its installation on hot water lines. The result is instant hot water every time you turn on the faucet in your home.

In an interview, Mark Brickey, wholesale product manager, said the circulator pumps

*Continued back page*

## **METROPOLITAN PUMPS NATION'S LARGEST TRAIN YARD**

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Time was the enemy during installation of a prefabricated sewer pump station at the world's largest railroad yard located in North Platte, Nebraska.

The Union Pacific Railroad's Bailey Yard required a strict schedule of only twelve hours in order complete

Mexican borders. Bailey Yard's goods tell the story of American commerce, because through here pass refrigerators, TVs, coal, automobiles, potatoes, fruit, wine, lumber, corn, sugar, steel, chemicals and hundreds of other commodities used every day. As goes Bailey Yard, so goes the nation, for it is an economic barometer of America.

Parkert said the installation went smoothly on our end. Five minutes after the deadline, Parkert said, Union Pacific Engineers released the sewer water into the sump pit. Minutes later start-up was complete and the system was operational. "The only problem we experienced occurred when the electricians decided to take a three hour lunch during our twelve hour time frame. They had us scratching our heads but the rest of the day was smooth," noted Parkert.

Before the system was built, Parkert explained to Erwin Dungo, national inside sales associate, that installation was critical given the time constraints. Dungo suggested making the base of the system big enough to encompass the sump pit. The benefits of this design eliminated the need to encase the hatch in concrete therefore making installation effortless and time effective.

The end result was a prefabricated sewage pumping station using 2 - 6" 20 HP Metropolitan self-priming pumps that have a capacity of 700 g.p.m. at 45 ft. of total head. The controls included our patented Intellipump duplex pump controller that is capable of recognizing float malfunctions. The insulated housing had lights, two heaters, motorized intake louver and an exhaust fan. It was mounted on an epoxy coated steel base.

The pump station handles all the sewage that comes from the entire facility, equal to the size of 2,800 football fields. To this date no problems have been reported and the pump station operates flawlessly.



***Pictured is Union Pacific Bailey Yard, the nation's busiest train yard located in North Platte, Nebraska. Metropolitan Industries raced against time in order to complete the installation of a prefabricated sewage pump station.***

the installation of a prefabricated sewer pump station. If installation was not completed exactly twelve hours after it started, a disaster would have unfolded.

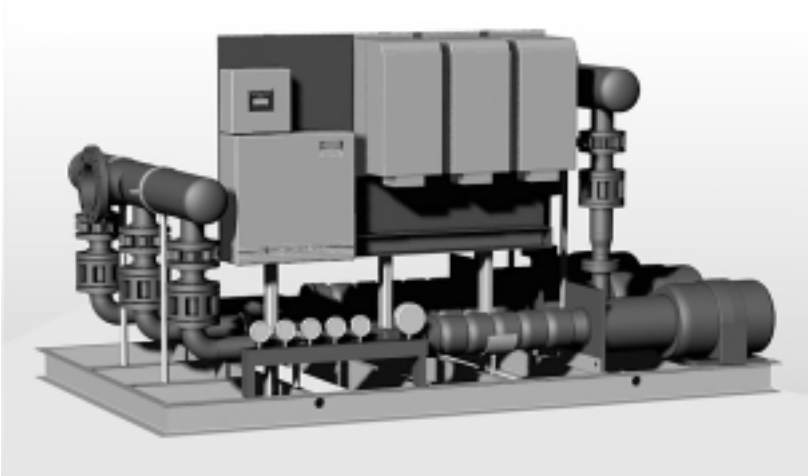
Metropolitan Industries' Representative, Peter Parkert from Hutcheson Engineering, sold the job. He oversaw the installation and the possible logistic nightmare that could have occurred.

During the mandatory twelve-hour time window, many matters required attention. For example, the existing duplex system had to be removed, it was necessary to by-pass the sump-pit and our self-priming pump system had to be installed and started up, all the while sewage from the nation's busiest train yard was shut down.

Every 24 hours, Bailey Yard handles 10,000 railroad cars bound for cities as distant as the East, West and Gulf Coasts of America, as well as the Canadian and

## CONTINUED GROWTH BENEFITS METROPOLITAN CUSTOMERS

ROMEDEVILLE, IL - Metropolitan Industries, Inc. headquartered in Romeoville, Illinois continues to expand and grow due to visionary product and service capabilities.



***An example of the 3D capabilities Metropolitan Industries recently acquired. The new 3D program allows engineers to design cost efficient systems with greater accuracy and is currently being used for large projects.***

In the last year, Metropolitan has added new product lines, enhanced their design capability, continued to flow test packaged pump systems, strengthened their workforce and now contemplates adding another 20,000 sq. ft. to their existing 100,000 sq. ft. facility in order to keep up with demand.

The product line grew this year in response to a shift that recently developed in the pump industry. The concept is to build a booster system and encase it in an insulated housing. Metropolitan Industries, Inc. takes its packaged booster systems with 50 years of experience built into them and now adds an insulated house and HVAC to the equation. The result is a premium, quality product at a reasonable price that can be U.L. classified to NEC codes.

A new 3D-software program that allows Metropolitan engineers to design cost efficient systems with accuracy is currently being used for large projects. Customers can now view their projects from any angle, on the computer monitor, via email or compact disc. This new software also reduces the amount of waste generated on a given project and aids in estimating the cost of fabricating a system. The end result is our customers save time and money.

Quality control also received a boost with the addition of a state-of-the-art testing facility designed to test

pump systems under the same field conditions dictated in the specifications. During testing, systems run across full performance curves, control and drive parameters are set, and all safety features are tested.

According to Paul Larson, chief engineer, the test lab will allow Metropolitan to certify the performance of their systems. Testing is done per Hydraulic Institute standards and instrumentation is calibrated to NIST standards. Among other things, testing will be used for trouble-shooting systems, witness testing for engineers and meeting the requirements of specifications.

With all the expansion, it's no wonder Metropolitan is running out of space. Only three years ago the company moved into its current 100,000-sq. ft. facility. Now with the housed booster fabrication shop, test facility area and increased inventory, Metropolitan Industries, Inc. is considering expansion once again. No formal works are in progress but the idea is being studied. In the meantime, Metropolitan continues its tradition of being a single source supplier for the municipal, commercial and industrial pump markets.



***The new state-of-the-art test facility at Metropolitan Industries that allows them to certify the performance of their systems. During testing, systems run across full performance curves, control and drive parameters are set and all safety features are tested***

***The Metropolitan Service Department never closes***

# **Metropolitan Industries, Inc.**

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## **NEW PUMP LINE GIVES METROPOLITAN A BOOST** *continued from front page*

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will account for most of the sales. He said there is a strong demand for instant hot water in homes and with the increasing use of circulator pumps for hydronic floor heating, demand will only increase further.

Another marketable product includes the residential booster pump. The wholesale product department will benefit tremendously due to the City of Chicago's decision to decrease the city water pressure. Local codes will soon dictate that all new two-story houses are required to have a residential booster pump installed. Also, with the decrease in water pressure to all existing Chicago homes, consumers will find it necessary to install a residential booster pump in their

home in order to have adequate water pressure.

With the addition of Grundfos to Metropolitan's product line, they now have an additional 10-12 new products for use in the residential and commercial markets. The new product line has salesmen excited because of the good reputation Grundfos carries. "Grundfos is known for quality products and has a good name. The addition of their products fills holes in our product line and gives us a boost in the residential side of the market," says Brickey.

For more information about the Grundfos product line, log on to [www.grundfos.com](http://www.grundfos.com).

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