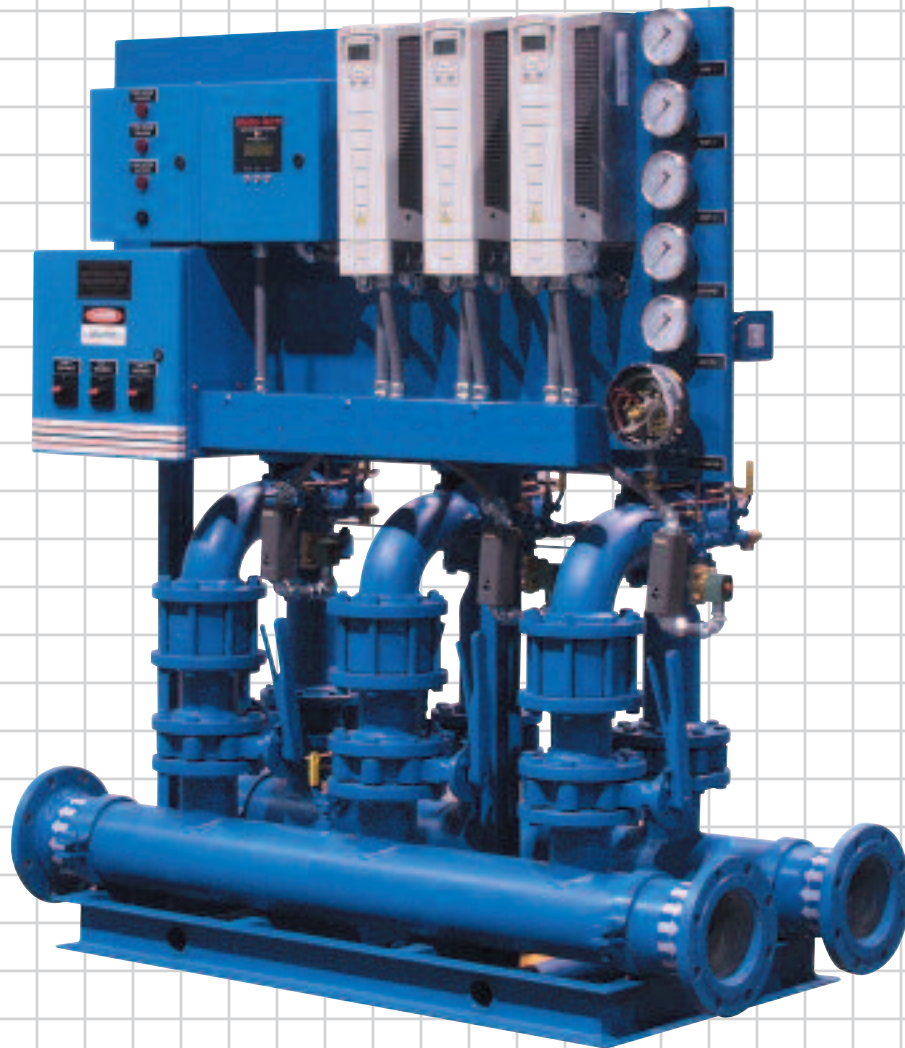


# Metro-Varipac

## SYSTEM 2000 CENTRIFUGAL PUMP WATER PRESSURE BOOSTER SYSTEMS



- *For Low to Medium Pressure Applications*
- *Energy-Saving Variable Speed Controls*
- *Compact and Affordable*

## Overview

Metropolitan Industries, Inc. has nearly fifty years experience in the design and manufacture of pump systems. As you work with one of our sales engineers, Metropolitan will design, build and deliver a pump system right to the project site, ready to install.

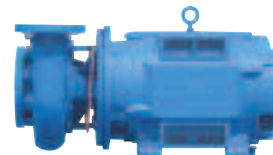
All controls are programmed and installed in-house, making one-stop shopping possible. Single source responsibility leaves us solely responsible for the entire system. Our 24/7 service provides you with a safety net that minimizes costly downtime.

Call Metropolitan Industries today to speak with a qualified representative.

## The System

The System 2000 is ideal for low to medium pressure applications. It is our standard system for typical applications requiring average horsepower. Many types of pumps and sizes are available to meet your specifications. The compact packaged design allows you to place the system virtually anywhere. Variable speed controls saves you thousands of dollars in energy costs while eliminating the need for pressure regulating valves.

### Available Pump Options



Close Coupled  
End Suction



Split Case



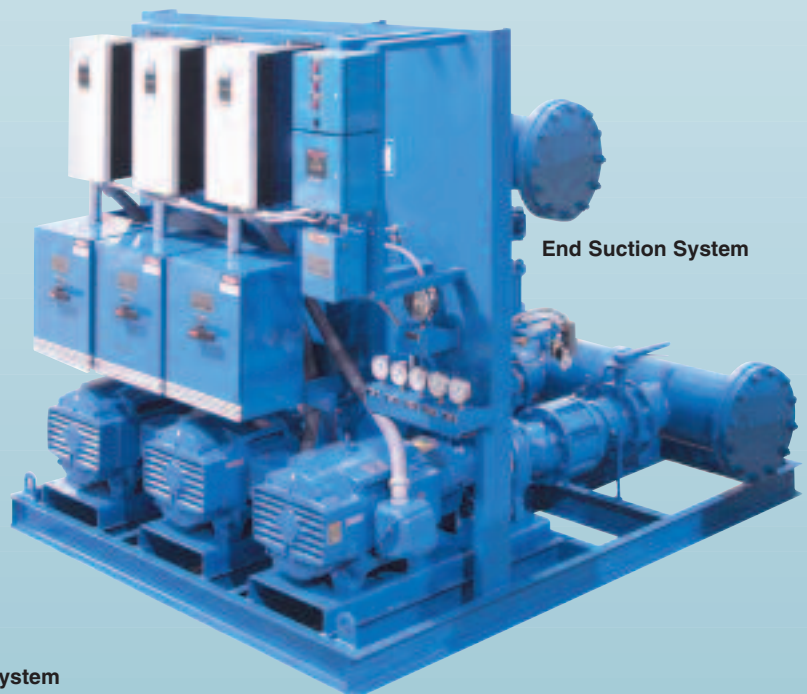
Diffuser



Flex-Coupled End Suction



Diffuser System



End Suction System

# Varipac

## Standard Controls

### Variable Speed Metro-Tech Control System

The Metro-Tech Advanced Control System uses microprocessor based control logic to provide overall system design flexibility. This ultra-compact and affordable controller coordinates pump operation, pump sequencing and set point control to maintain peak system efficiency. On multi-pump systems, automatic alternation of pumps is provided to minimize mechanical wear of the equipment. During operation, the operating speed of the pump(s) is reduced to the minimum necessary to satisfy system demand while maintaining peak efficiency. The result is a fully integrated package providing precise system control and reduced operating costs.

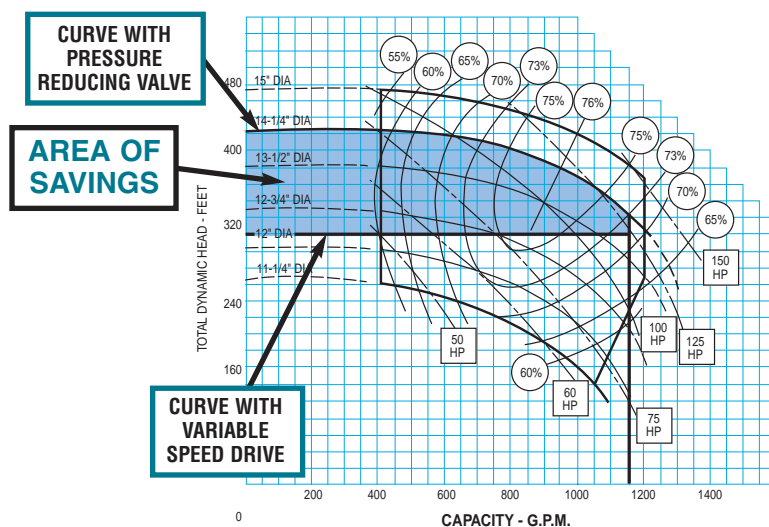


## Custom Control Options

- ✓ Alarm Relay Panel
- ✓ Remote Monitoring
- ✓ Touch Screen Control
- ✓ Boost Mode for Use with a Storage Tank
- ✓ Flow-Monitoring System
- ✓ Intellipump for Constant Speed Control

### Variable Speed Savings

Most pump systems are designed for peak conditions that occur less than 10% of operating time. The majority of the operating time, pumping systems only need to operate at 50% capacity or less. Variable speed systems use only the minimum kilowatts necessary to match demand. Constant speed systems use 50% more horsepower costing you thousands of dollars in unnecessary energy costs.



# Other Metropolitan Products

## *System 2100*

### **Horizontal Submersible Turbine Pressure Booster Systems**

- For Medium to High Pressure Applications
- Requires No Routine Maintenance
- Eliminates Mechanical Seals
- Water Cooled and Lubricated Submersible Motor
- Water Lubricated Pump Bearings
- Energy-Saving Variable Speed Controls
- Great for low-noise environments



## *System 2200*

### **Horizontal Air-Cooled Turbine Pressure Booster Systems**

- Meets the Challenges of Industrial Systems or any High Pressure Application
- Uses HAC-Series Pumps
- Easy Access to Bowl Assemblies and Motor for Maintenance
- Long-Lasting Mechanical Seal due to Low Inlet Pressures
- Modular Liquid End
- Energy-Saving Variable Speed Controls



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