

METRO FAB

Custom Designed
Prefabricated Housed Systems



- Shipped Fully Assembled
- Custom Engineered Solutions
- Single-Source Responsibility
- Factory Pre-Piped and Wired



The Pumping World's One Stop Shop!™

OVERVIEW

Metropolitan Industries, Inc. prefabricated housed systems are revolutionizing the industry. By combining custom engineering, superior control solutions and single source responsibility, Metropolitan can design, build and deliver a system directly to a job site, ready to install.

MetroFab stations are available with a variety of third party approvals including UL 508A, UL QCZJ, and UL QRNZ. Welders are certified to ASME Section 9 and adhere to our AWS Standard Welding Procedure Specification. Our application staff is always available to assist with the recommendations of the Ten State Standards.

Our engineering department will design a system to match any size or configuration requirements. Various housing styles and/or materials are available to meet your system's needs and appearance. Our superior equipment, pump and control solutions leave you with endless combinations and capabilities. Metropolitan's custom-design features include pump system chemical equipment, generators, variable speed controls and flow meters necessary to meet your project requirements.

SINGLE SOURCE RESPONSIBILITY and **24/7 SERVICE** ensures your peace of mind. We stock millions of dollars in part inventory and equipment to minimize your downtime.

Let our project managers work with you one-on-one to create the ultimate pumping station and/or control system. Our 50+ years of experience coupled with our reputation for being an industry leader is why Metropolitan Industries, Inc. should be your choice for all your pumping needs.

The Pumping



Choose from a variety of facades that “blend in” with any landscape.



Attractive designs allow you to place system anywhere.



Improves the appearance of a jobsite, eliminating any eyesores.



Superior design and craftsmanship ensure your complete satisfaction.

World's One Stop Shop!™



Units can be shipped fully assembled and ready to install – saving you time and money.



Set in place, pipe in... pipe out... run power... It's that Easy!!



Our 24/7 service department is on stand-by waiting to solve any customer problems that arise. Single Source responsibility allows us to service and support the entire system.



BOOSTER PUMP SYSTEMS

Metropolitan's booster pump systems maintain a constant discharge pressure. The above grade components including pumps, valves, piping and controls are housed in a secure, climate controlled environment. Choose from a variety of exteriors to complement any landscape. Several pump options are available to meet low to high flow demands. Custom control solutions allow flexibility and total control. See why Metropolitan Industries, Inc. should be your first choice when designing a Housed Booster Pump Station.



Applications

- Potable water pressure boosters
- High service pumps
- Transfer pump applications
- Irrigation booster systems
- Cooling water systems
- Water tower fill
- Water reuse
- Green water systems

Pump Types

- End suction
- Vertical multi-stage
- Split case
- Others to meet your requirements

Piping Types

- NSF 61 Fusion bond epoxy coated
- Hot dipped galvanized steel
- Stainless steel
- Copper
- Powder coated

Optional Equipment

- Chemical rooms
- Emergency generator packages
- Filters
- Storage tanks
- Vacuum prime systems

Control Features

- Programmable logic controller
- Touch screen operator interface
- Tank pump up or pump down
- Remote monitoring control
- Constant or variable speed
- Flow meters
- Constant pressure
- Constant Flow



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VALVE STATIONS

Metropolitan's valve and control stations are for freshwater, sanitary, sewage and/or storm water lift station applications. The above grade valves eliminate the need for flood-prone below grade vaults and separate pole mounted controls. Specifying an above-grade station puts the lift stations valves above grade for easy access and protection from potentially hazardous and corrosive wet well material. Each station comes complete with all equipment required for operation and is delivered to the jobsite ready to install on top of the wet well or over buried mains.

Applications

- Sewage lift stations
- Storm water lift stations
- Pressure reducing valves for water
- Water reuse

Piping Types

- Ductile iron
- Fabricated steel
- Fabricated stainless steel
- Epoxy coated steel
- Fusion bond steel

Valve Types

- Pump isolation plug valves
- Air release / vacuum brakes
- Swing type check valves
- Full body check valves

Optional Equipment

- Emergency generator packages
- Full body check valves
- Suction bypass connections
- Wet well hatches

Control features

- Programmable logic controller
- LMS 400 transducer based level controller
- IntelliPump float based level controller
- Constant or variable speed

Installation

- Valves are located above ground for easy access and protection from potentially hazardous & corrosive wet well material
- Optional bypass pump connections
- Plug valves for pump isolation and maintenance
- Swing check valves with outside lever
- Adapter flange for easy field connection



LOGIC CONTROL PANEL



PUMP 4 RUN TIME



PUMP 4 SEAL FAIL



PUMP 4 OVER TEMP



PUMP 4 OT/SF RESET



PUMP 4 RUN



OFF



PUMPS 3 & 4 CONTROL RESET



MANUFACTURED BY
**METROPOLITAN
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CONTROLS

Metropolitan Industries, Inc. has over 50 years experience in the design, manufacture, installation and service of custom control panels. Our experience covers everything from complex and sophisticated controls for well-known high rise buildings to simple sump and sewage control panels. Working one on one with a sales engineer, we will design your controls to meet the demands of today's applications. Choose from energy-saving variable speed operation, color touch-screen interfaces, UL listings and more. If you can dream it, we can build it. Contact us today and see why we are the "go-to" company for controls and pump systems.



CONTROLS

U.L. Listed

- UL 508 Industrial Control Panels
- UL 698 Hazardous Locations
- UL 913 Intrinsically Safe Control Equipment
- UL Listed Programmable Controllers
- UL Listed Battery Chargers
- UL Packaged Pump Systems
- UL Classified Commercial and Industrial Buildings according to NEC

Features

- Built-in safety, range parameters
- Complies with National Electrical Code
- Project specific code compliance

Control Options

- Constant or variable speed
- Flow metering
- Automatic or manual transfer to emergency power sources
- Local visual and audible alarms
- Solid-state programming
- Color touch screen control



BUILDING OPTIONS

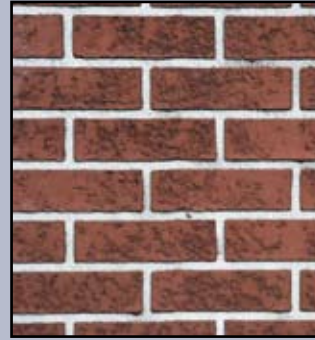
Choose from a variety of exterior finishes



Exposed Aggregate



Siding



Simulated or Real Brick



Ribbed

Other finishes include

- Stucco
- Fiberglass
- Wood
- And more...

Cranes & Hoists

- For servicing of heavy equipment
- Davitt cranes
- Trolley hoists
- Chainfalls

Chemical Rooms

- Scales
- Chemical feed equipment
- Dedicated room for equipment
- Necessary safety equipment

Overhead Doors

- For removal of large pumps
- Service accessibility

Generators

- Diesel or natural gas
- Sound attenuated enclosures available
- Residential mufflers
- Automatic or manual transfer switches
- Fully integrated before delivery
- Ventilation louvers sized to minimize rain water intrusion and pressure drop



OTHER METROPOLITAN PRODUCTS

SYSTEM 2000

Centrifugal Pump Water Pressure Booster Systems

- Many Pump Types and Sizes Available
- Energy-Saving Variable Speed Controls
- Compact and Affordable
- Remote Monitoring Available
- Touch Screen Control Available



METRO-ISOPAC

Protected Water Systems

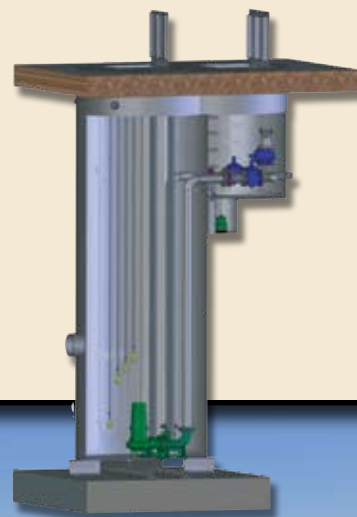
- Provides isolation of fresh water for secondary protected water systems
- Reservoir, pumps and control systems from a single source
- Several tank, pump and control options available
- Positive air gap outperforms backflow preventers



METRO-RAIL

Below Ground Prefabricated Lift Stations

- Factory built packaged system with outside valve box permits servicing of components without entering sump
- Available in stainless steel, epoxy coated steel, and fiberglass



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