

# Water Utility / Municipal

# GRUNDFOS ENGINEERED SYSTEMS

Grundfos Engineered Systems (GES) offers a comprehensive range of products from standard designs to site specific engineered-to-order solutions. These solutions include optimized pumping systems with the selection of most efficient pump type and technologies and intelligent controls available for each application. The GES packages arrive pre-wired, pre-piped and pre-commissioned. A GES packaged system will eliminate the headaches of cost over-runs and unforeseen operational problems often experienced with a component system. Total cost and schedule are accurately determined long before installation is completed.

GES packaged systems come with a multitude of options including: pumps, valves, controls, intelligent controllers and VFDs for your specific equipment requirements. GES provides skid mounted packages that can be open or enclosed in a variety of fiberglass and steel options. Each enclosed option has an assortment of exterior colors and façade options to meet your site conditions. The GES enclosed pumping systems include options such as electrical distribution, magnetic flow meters, separate rooms with chemical feed, pressure reducing valves, HVAC and any other customer specified accessories.

## Key Features and Benefits

- Single source of products and manufacturing provide cost confidence and schedule ease for end user
- NSF61 compliant components and design
- ISO 9001 manufacturing facility provides quality construction and value-added services
- Simplified power distribution for complete single-point input power connection
- Controlled manufacturing environment for on time delivery to site
- Innovative designs using 3D CAD modeling and dedicated engineering effort translate into lower initial cost, longer pump life, and lower maintenance costs
- GES team of engineering, and manufacturing experts support our customers from concept design to installation and beyond
- GES facility manufacturing footprint of over 240,000 sq ft with heavy crane bays for large systems
- Pressure testing of all finished piping and components up to 300 psi as required by project
- Continuity test of all 480V power wiring for proper phasing and grounding



**GES provides innovative solutions for a variety of systems including:**

- Municipal Community Booster Stations
- Plant/Seal Water Systems
- Effluent Pumping Systems
- Transfer Pumping Systems
- Storm water Pumping Stations
- Raw Water Intake Systems
- High Service Pumping Systems
- Portable Booster Pump Systems

### APPLICATIONS

- Water distribution
- Water intake
- Water treatment
- Wastewater treatment

## GES Product Data

Grundfos has served the North American market for more than 40 years, flourishing from one small factory in Fresno, California, to 17 manufacturing, logistics, sales and service facilities throughout the region. Today Grundfos provides comprehensive, cross-continental coverage through several marquee product brands, some with roots going back a century or more. Together, Grundfos, PACO, Peerless Pump, LaBour Taber and YCC provide a complete portfolio of products for the Water Utility/ Municipal market.

### Pumps

- Any variation or quantity of pumps produced by Grundfos

### Controls

- Integrated power panel (every component is pre-wired)
- UL rated control panels
- Grundfos CU intelligent controller or customer-specified PLC/HMI
- Grundfos CUE VFDs or customer specified
- Grundfos Remote Management or SCADA integration

### Enclosures

- Fiberglass
- Steel with outdoor rated 3-part epoxy coating finish of 100+ color choices
- Separate dry room for controls and/or chemical feed
- Environmental controls options may include, ventilation, heaters and/or self-contained HVAC units
- Upgraded façade options such as faux stone or brick
- Standard steel enclosures include lighting and convenience receptacles
- Seismic and wind load rating per specification available. Minimum 120 MPH wind and 30 PSI snow load ratings standard.
- Corrosive environment coatings for conditions such as sea water available

### Accessories

- Flowmeters
- Pressure Reducing Valves
- Chemical Dosing Skids
- Hydropneumatic Tanks
- Other, as specified

### Portable

- Skid-mounted for portable use
- Trailer mounted – enclosed or open configuration

