

Municipal Community Booster Stations

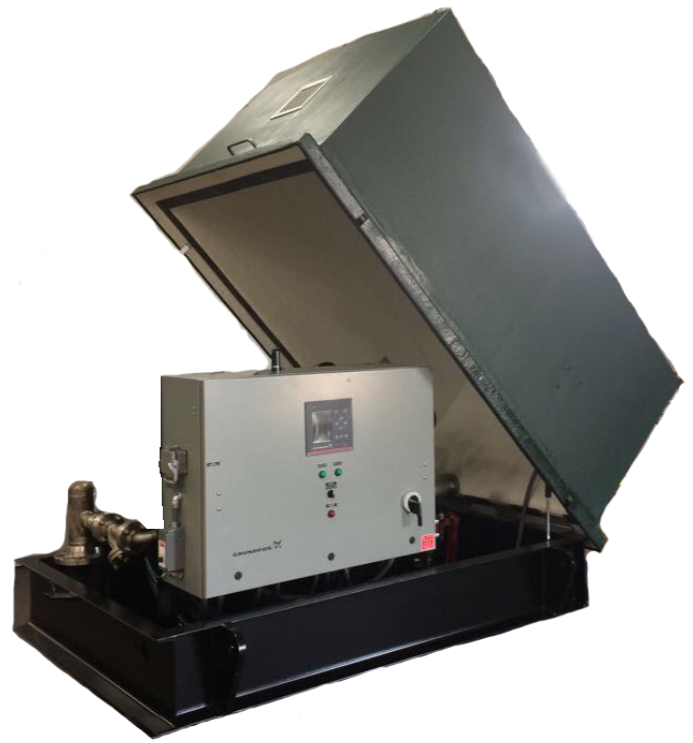
GRUNDFOS ENGINEERED SYSTEMS

Grundfos Engineered Systems (GES) offers comprehensive site specific engineered-to-order solutions for Water Utility/ Municipal Community Booster Stations. 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 packaged cost and production 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 responsibility; packages are designed, fabricated and tested by the same manufacturer of the pumps
 - NSF / ANSI 61 and 372 certified Grundfos pumps
 - NSF / ANSI 61 and 372 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
 - Enclosure facade options include fiberglass, brick, stone, or metal



APPLICATIONS

- Water distribution, transfer and boosting
- Tank fill
- Water distribution and emergency flow

GES Community Booster Stations Technical Data

<i>Control variant</i>	<i>GES Unit</i>
Hydraulic data	
Head, H	max. 346 ft
Flow, Q	max. 7,200 gpm
Liquid temperature	max. 200° F
Operating pressure	max 300 psi
Pump and motor data	
Number of pumps	2 - 6
Motor power	max. 600 hp
Enclosure Options	
Outdoor Rated Epoxy Coated Steel	<input type="radio"/>
Fiberglass	<input type="radio"/>
Brick or Stone Veneer	<input type="radio"/>
Lighting, Ventillation	<input type="radio"/>
Check valves	
Non-slam	2 - 24 in
Isolation valves	
Butterfly	2 1/2 - 24 in
Ball Valve	3/4 - 2 in
Gated	<input type="radio"/>
General materials and fittings	
Pipe supports	welded to frame
Decking	1/4 in. gage hot rolled
Channel base frame	4 - 14 in
Piping	
Carbon steel	<input checked="" type="radio"/>
Carbon steel, NSF rated epoxy coated	<input type="radio"/>
Stainless steel 304/316	<input type="radio"/>
Approvals	
ISO 9001	<input checked="" type="radio"/>
ETL listed	<input type="radio"/>
NSF Compliant	<input type="radio"/>
Motor Control Center	
UL Listed Control panel with HMI	<input type="radio"/> <input checked="" type="radio"/>
As Required	max. 400 A
VFDs	<input type="radio"/> <input checked="" type="radio"/>
Instrumentation	<input checked="" type="radio"/>
GRM, SCADA integration	<input type="radio"/>
Options	
Flowmeter	<input type="radio"/>
Pressure reducing valve (PRV)	<input type="radio"/>
Chemical dosing system skid	<input type="radio"/>
Hydropneumatic tanks, NSF rated	<input type="radio"/>
Generator	<input type="radio"/>

- Available as standard
- Available as option or accessory

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