

Non-Potable Systems

GRUNDFOS ENGINEERED SYSTEMS

Grundfos Engineered Systems (GES) offers packaged skids to provide a multitude of non-potable pumping solutions. These packages offer simplified controls and design to offer quick delivery and setup. GES packaged systems come with a multitude of options including: energy efficient pumps, valves, controls, intelligent controllers and VFDs for your specific equipment requirements. Any variety of accessories may be added such as: in-line filters, engine drivers, on-site generation or any customer-specified item. These skid mounted systems may be designed for temporary/portable use and can be enclosed in a variety of fiberglass and steel options.

Key Features and Benefits

- Single source responsibility; packages are designed, fabricated and tested by the same manufacturer of the pumps
- 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
- 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:

- Plant Water Systems
- Seal Water Systems
- Effluent Pumping Systems
- Transfer Pumping Systems
- Non-Potable Washdown Systems

APPLICATIONS

- Water distribution
- Raw water intake

GES Non-Potable Systems Technical Data

Control variant	GES Unit
Hydraulic data	
Head, H	max. 150 ft
Flow, Q	max. 4,600 gpm
Liquid temperature	max. 250° F
Operating pressure	max. 150 psi
Pump and motor data	
Number of pumps	2, 3 or 4
Motor power	max. 150 hp
Check valves	
Non-slam Dual Disc	2 - 12 in
Silent check valve	○
Isolation valves	
Butterfly	2 1/2 - 12 in
Ball Valve	1/4 - 2 in
Gated	○
General materials and fittings	
Pipe supports	welded to frame
Decking	1/4 in. gage hot rolled
Channel base frame	4 - 8 in
Piping	
Carbon steel	●
Carbon steel, NSF rated epoxy coated	○
Stainless steel 304/316	○
Approvals	
ISO 9001	●
ETL listed	○
NSF Compliant	○
Motor Control Center	
UL Listed Control panel with HMI	○ ●
Power distribution	max. 450 A
VFDs	○ ●
Instrumentation	●
Options	
Flowmeter	○
Pressure reducing valve (PRV)	○
Chemical dosing system	○
Hydropneumatic tanks, NSF rated	○
Trailer, portable design	○
Enclosure	○
Generator	○

- Available as standard
- Available as option or accessory

The name Grundfos, the Grundfos logo, and be think innovate are registered trademarks owned by Grundfos Holding A/S or Grundfos A/S, Denmark. All rights reserved worldwide. L-GES-SJ-12 09-17