



ITT

BRAQUAFOR

Commercial Water

Goulds Pumps

AquaForce™ PUMP STATIONS

The New FORCE in Variable Speed Pumping Stations



Goulds Pumps is a brand of ITT Corporation.

www.goulds.com

Engineered for life



ITT

GOULDS PUMPS
Commercial Water

AquaForce GENERAL INFORMATION

The AquaForce pump station is a pre-engineered and fabricated line of packaged booster systems that provide maximum hydraulic capabilities of 1500 GPM and up to 340 PSI.

The AquaForce provides pressure boosting for a variety of applications including: high – rise buildings, industrial plants, agriculture / irrigation, municipal and rural water districts. The use of Aquavar® variable frequency drive technology and our patented pump control logic, has created an intelligent pump system which virtually eliminates the requirement for most mechanical protection devices. Utilizing the Aquavar® variable speed controller on each pump allows for the maximum energy efficiency, as well as back-up protection should a pump fault during operation. Even with your changing system demands, the AquaForce pumping station provides consistent performance.



- *Fully tested for flow and pressure*
- *Pre-programmed for easy installation and start-up*
- *Rugged mechanical design with simple layout*
- *304 SS manifolds with removable ANSI flange connectors*
- *NEMA 4 fused disconnect control panel*

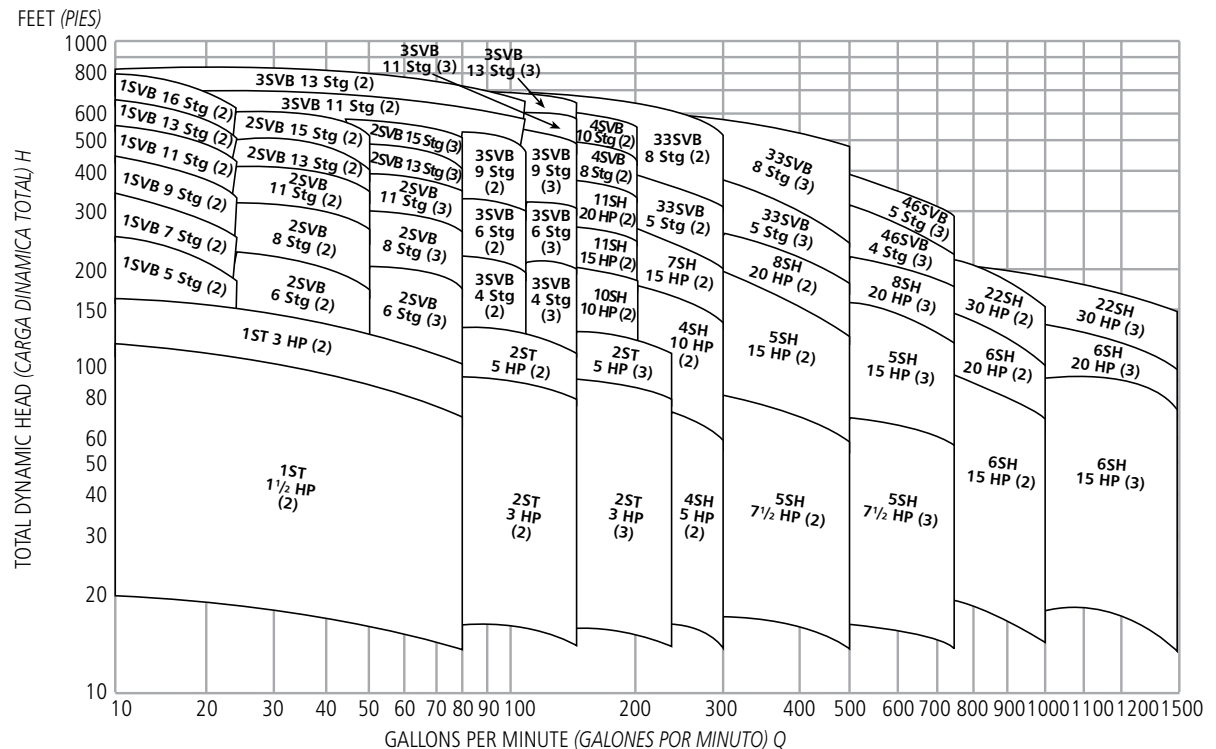


ITT

GOULDS PUMPS Commercial Water

FEATURES AND SPECIFICATIONS

- ⇒ All systems are ^{UL} listed as packaged pumping systems.
- ⇒ Maximum footprint, on most sizes, allow systems to fit through standard doorways.
- ⇒ 200 – 230 Volt single phase up to 20 HP, 200 – 230 Volt three phase up to 75 HP, 460 Volt up to 75 HP.
- ⇒ Duplex, triplex and quad systems available.
- ⇒ Each system is fabricated with Goulds Pumps stainless steel or cast iron centrifugal pumps with a variety of electrical and mechanical options to choose from.
- ⇒ Standard “off the shelf” motors by Baldor or USEM Motors.
- ⇒ Significant reduction in energy consumption over fixed speed systems.
- ⇒ System protection from overvoltage, under-voltage, blocked suction, cavitation, NPSHa, phase loss, short circuit, transducer failure, and motor current overload.
- ⇒ Liquid temperatures up to 212° F.
- ⇒ Ambient temperatures up to 104° F.
- ⇒ Maximum operating pressures up to 360 psi.
- ⇒ Pump run-out protection.
- ⇒ Dry running protection.
- ⇒ Programmable lead/ lag alternation.
- ⇒ Programmable system curve/ friction loss compensation.
- ⇒ Programmable system pressure starting.
- ⇒ Fault detection and alarms relay.
- ⇒ Motor run relay.
- ⇒ Programmable soft start.
- ⇒ Stainless steel manifolds.
- ⇒ Isolation valves.
- ⇒ Optional suction / low pressure switch.
- ⇒ Optional pressure relief valves and temperature relief valves.
- ⇒ Optional lightning protection.
- ⇒ Optional flexible discharge hose.
- ⇒ Outdoor configuration available.



NOTE: Performance does not allow for system losses. Refer to actual pump station system curve for friction losses. Larger SSH and SFH pumps available for higher flow rates and pressure.



ITT

Commercial Water



**FOR ALL OF YOUR PUMP AND
CONTROL NEEDS, CONTACT YOUR
GOULDS PUMPS PROFESSIONAL.**



BRAQUAFOR June, 2008

© 2008 ITT Corporation

Engineered for life

Goulds Pumps, G&L Pumps, Aquavar, AquaForce and the ITT Engineered Blocks Symbol are registered trademarks and tradenames of ITT Corporation.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.