

## Aquatec 550/5800 Series “Smart” pumps

The Aquajet “Smart Pump” Series, initially developed for the beverage / foodservice industry, integrates an advanced digital controller with the proven 3-valve and 5-valve diaphragm pumps. The result is a patent-pending, “smart pump” series which maintains constant pressures (+/- 2 PSI) for variable flow rates across their entire performance range.

Using integrated pressure transducers, these pumps monitor pressure fluctuations and instantly adjust their operating speeds as required.

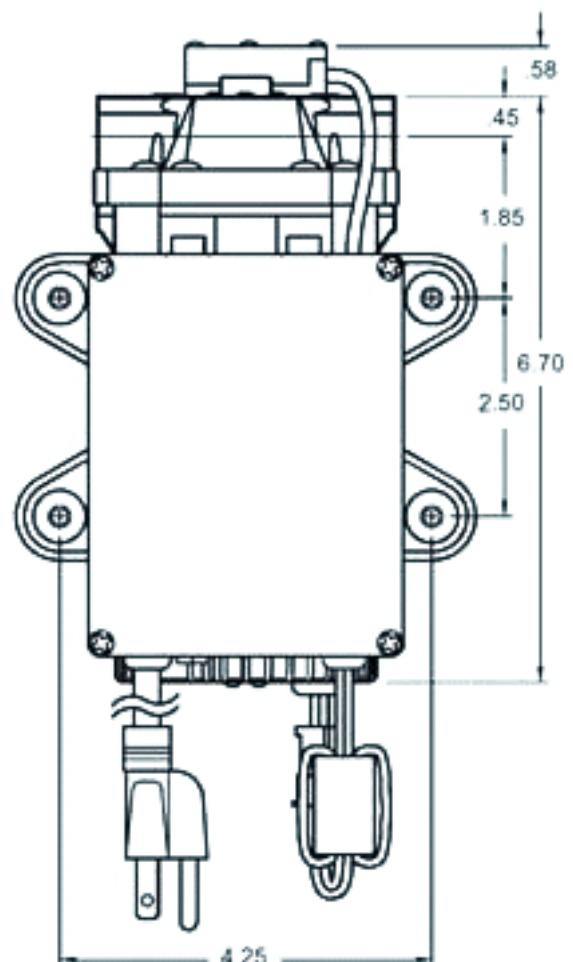


### Typical Applications

- + Beverage/Foodservice
- + Alternative Energy/Solar
- + General Industrial
- + Plumbing

### Features and Benefits

- + Digitally controlled, variable speed capabilities
- + Constant pressure (+/- 2 PSI) across multiple outlets
- + No accumulator tanks or pressure switches required
- + Reduced system bacteria
- + Reduced space requirements
- + Plug-and-play performance
- + Fully NSF Approved



## Technical Specifications

### Motor:

115v AC, permanent magnet. Totally enclosed, non-ventilated. For user safety optimal performance and maximum motor life, this motor is equipped with a thermal protector that limits the motor shell temperature to 145°F (63°C). Standard leads are 18 AWG, 6' long.

### Mounting:

Standard offering is an integrated, patented base unit which houses the digital controller.

### Control Options:

Internal bypass, factory set to approximately 60 PSI.

### Fittings:

5800 Series options include built-in 3/8", 1/4",

or 5/16" John Guest half cartridges.

550 Series options include 3/4" openings for use with 3/8", 5/8", 1/2", and 3/4" hose barb, quick connect fittings

### Pump design:

3 chamber diaphragm pump, self priming, capable of being run dry.

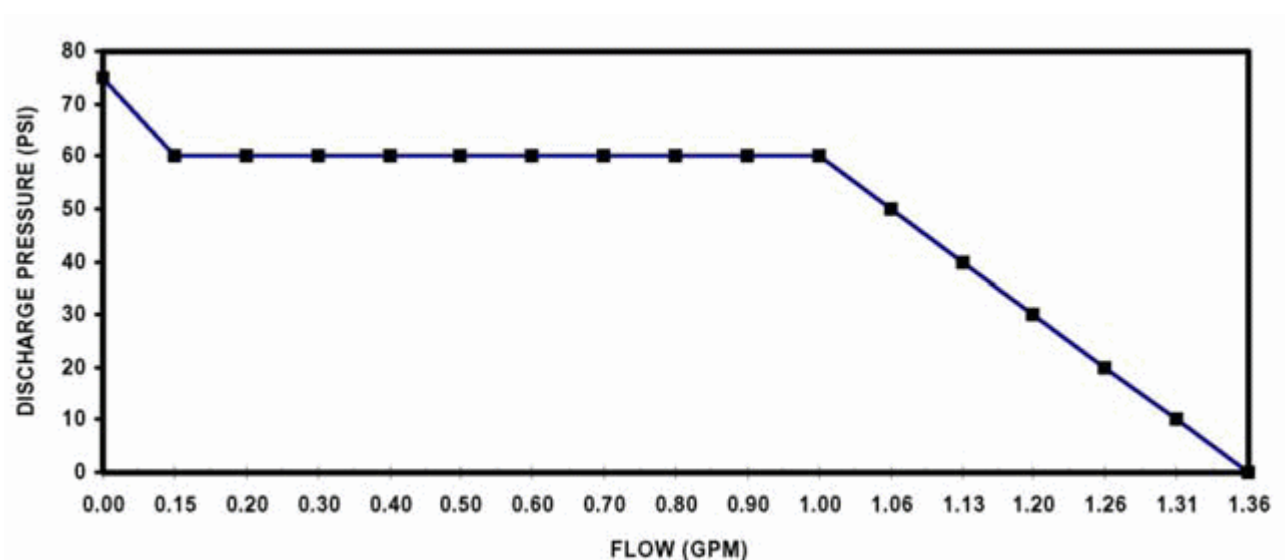
### Materials:

Housings: Polypropylene  
Valves: EPDM  
Diaphragm: Santoprene  
Fasteners: Stainless steel

**Liquid temperature:** 140°F (60°C) max.

**Pump certifications:** NSF Standard 58.

## Performance Data



Performance measured with flooded inlet (0 PSI), 70°F (21°C) ambient water temperature and voltage controlled at 115v AC. Flows were recorded after temperatures had stabilized. Positive inlet pressure will increase the maximum flow at the regulated discharge pressure. Maximum inlet pressure is 60 PSI.