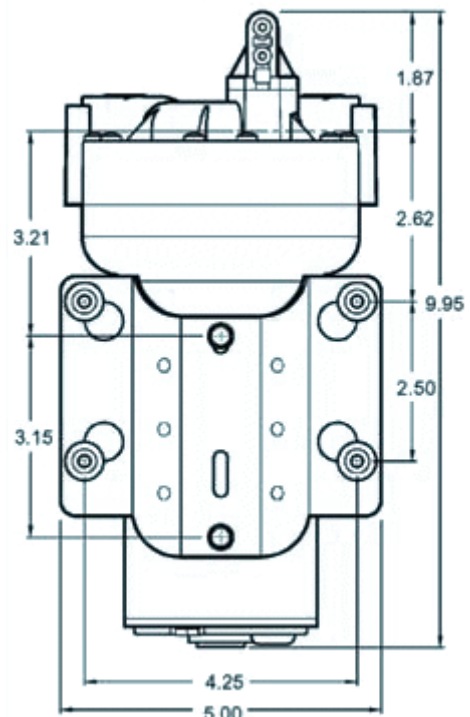
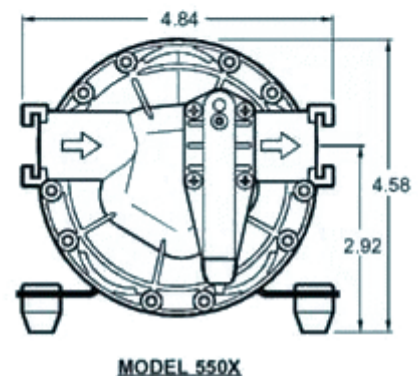
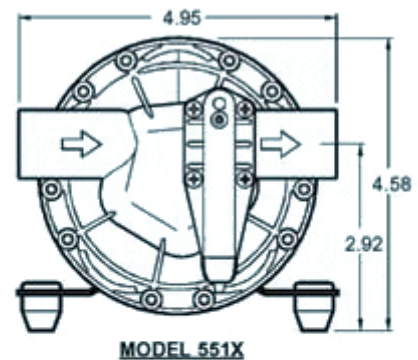


Aquatec 550 Series

Aquatec's 550 Series delivers powerful flow rates of up to 25 litres per minute at pressures up to 80 PSI. The patented 5-chamber diaphragm and piston design allows these pumps to operate at exceptionally quiet noise levels and minimal pulsations. Like the smaller, 3-chamber 5800/7800 Series, these pumps are designed for intermittent duty, although most models can run continuously for hours at a time.



Typical Applications

- + Water Vending
- + Agricultural Spraying
- + General Industrial
- + Alternative Energy/Solar

These pumps are also commonly used to either pressurize water drawn from an atmospheric tank, to deliver purified water to a specific point of use, or merely to increase pressure when required.

They can either be controlled by a pressure switch ("demand" mode) or an external power control device ("delivery" mode).

When necessary, they can incorporate an integrated bypass to help limit pressure.

Technical Specifications

Motor:

12 VDC, permanent magnet, totally enclosed, non-ventilated. Leads are 14 AWG, 12" long. This motor is not equipped with thermal protection. For user safety, optimal performance and maximum motor life, the motor surface should not exceed 150°F (66°C).

Envelope Dimensions:

Approximately 100mm x 125mm x 200mm, weighing 3.6 Kg.

Mounting:

Standard mounting is a steel base with four hollow rubber grommets. These pumps may be mounted in any position.

Control Options:

Internal Bypass (20-100 PSI), Pressure Switch (40-70 PSI).

Fittings:

Pumphead options include 3/4"; openings (for

use with 3/8", 5/8", 1/2" and 3/4" hose barb, quick connect fittings), and 1/2" NPT female ports.

Pump design:

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

Materials:

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

Liquid temperature: 170°F (77°C) max.

Pump certifications: NSF Standard 58.

Priming capabilities:

Model 55X0: 7 feet
Model 55X1: 8 feet
Model 55X2: 11 feet
Model 55X3: 13 feet

Performance Data

Discharge pressure (PSI)	Pumphead model							
	55X0		55X1		55X2		55X3	
	Flow (GPM)	Current (Amps)	Flow (GPM)	Current (Amps)	Flow (GPM)	Current (Amps)	Flow (GPM)	Current (Amps)
70	1.10	7.20	1.80	11.20	2.50	15.00	3.00	18.00
60	1.25	7.00	2.00	10.50	2.65	14.00	3.20	16.30
50	1.40	6.60	2.10	9.50	2.80	12.80	3.55	14.60
40	1.60	6.20	2.30	8.50	3.00	11.20	3.80	13.00
30	1.80	5.20	2.50	7.20	3.25	9.80	4.10	11.00
20	2.10	4.60	2.75	5.80	3.50	8.00	4.50	9.00
10	2.40	3.60	3.05	4.60	3.90	6.20	4.90	7.00
Open	2.75	2.50	3.35	3.20	4.25	5.00	5.30	5.50

Performance measured with flooded inlet (0 PSI), 70°F (21°C) ambient water temperature and voltage controlled at 12 VDC. Positive inlet pressure will increase the discharge pressure by a similar amount for a given flow. Maximum inlet pressure is 60 PSI.