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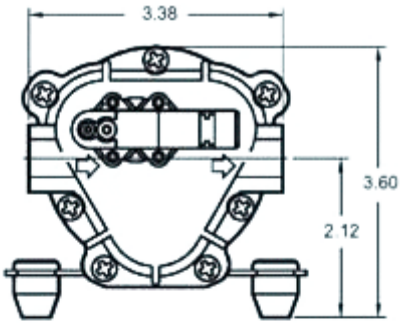
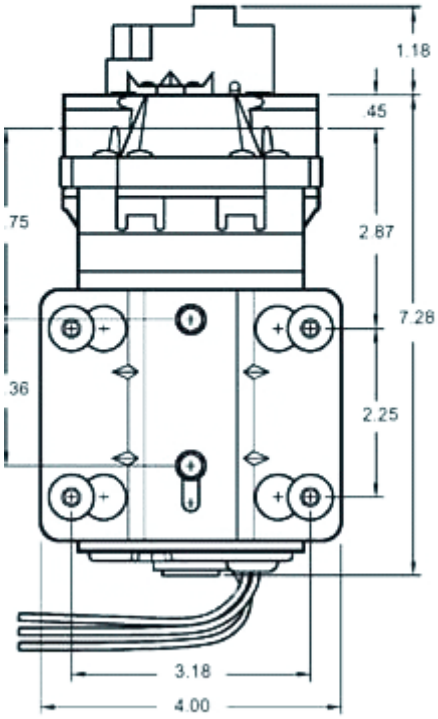
Aquatec 5800/7800 Series

These pumps are designed for intermittent duty, although most models can run continuously for hours at a time. They are typically used to either pressurize water drawn from an atmospheric tank, deliver purified water to a specific point of use, or merely to increase pressure when required. These pumps can either be controlled by pressure switch (“demand” mode) or an external power control device (“delivery” mode). When necessary, they can incorporate an integrated bypass to help limit pressure.



Typical Applications

+ Water Treatment/RO
+ Beverage/Foodservice
+ Distillation Equipment
+ Agricultural Spraying
+ General Industrial
+ Automotive



Technical Specifications

Motor:
Available motors from 12v DC to 230v AC, energy requirements between 25W-100W (depending on flow, pressure). Can be used with compatible transformers and/or DC power supplies. Standard terminations are 12”, stripped end AWG leadwires, with connectors and power cords also available.

WEIGHT: 6 lbs.

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Technical Specifications (cont...)

Envelope Dimensions:
Approximately 75mm x 100mm x 175mm, weighing 2.7 Kg.

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

Control Options:
Internal bypass (20-200 PSI), pressure switch (40-100 PSI).

Fittings:
5800 Series options include built-in 3/8", 1/4", or 5/16" John Guest half cartridges.

7800 Series options include 3/8" or 1/2" 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.

Priming capabilities:

Model 58X0:	5 feet
Model 58X1:	5.5 feet
Model 58X2:	6 feet
Model 58X3:	9 feet
Model 58X4	9.5 feet

Performance Data

Discharge pressure	Pumphead model									
	58X0		58X1		58X2		58X3		58X4	
(PSI)	Flow (GPM)	Current (Amps)	Flow (GPM)	Current (Amps)	Flow (GPM)	Current (Amps)	Flow (GPM)	Current (Amps)	Flow (GPM)	Current (Amps)
70	0.66	0.23	0.82	0.27	1.00	0.35	1.15	0.39	1.25	0.44
60	0.72	0.22	0.90	0.25	1.05	0.32	1.20	0.36	1.34	0.40
50	0.78	0.21	0.92	0.23	1.16	0.29	1.25	0.33	1.38	0.37
40	0.85	0.19	0.95	0.21	1.18	0.27	1.30	0.30	1.42	0.33
30	0.88	0.17	0.98	0.19	1.25	0.24	1.40	0.27	1.50	0.29
20	0.95	0.15	1.00	0.17	1.30	0.21	1.45	0.24	1.55	0.26
10	0.98	0.13	1.10	0.15	1.36	0.19	1.50	0.23	1.65	0.25
Open	1.00	0.12	1.15	0.14	1.40	0.18	1.55	0.22	1.70	0.24

Performance measured with flooded inlet (0 PSI), 70° (21°C) ambient water temperature and voltage controlled at 230v AC, 60 Hz. Positive inlet pressure will increase the discharge pressure by a similar amount for a given flow.