

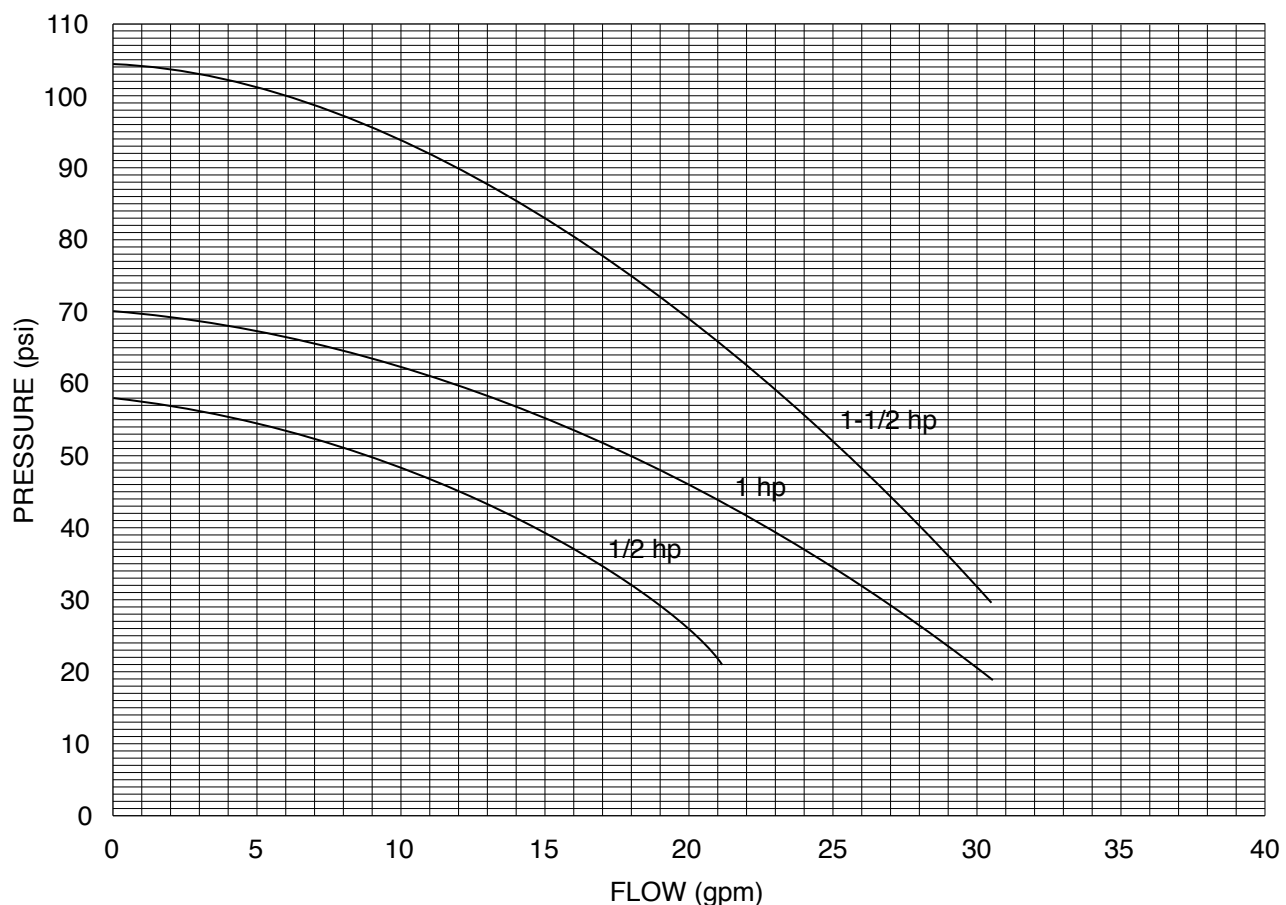
AquaDiver

AquaDiver pumps are heavy-duty multi-stage submersible pressure pumps with bottom water intakes optimal for use in water tanks. Four versions are available: 1/2hp-120v, 1hp-120v, 1-1/2hp-240v, and 1-1/2hp-240v-3ø. Their continuous-duty asynchronous motors are cooled by the pumped water, permitting partially submerged vertical installation. All feature 304 stainless steel housings, oversized ball bearings, solid-brass bearing supports, technopolymer impellers, ceramic/carbon motor seals, carburundum pump seals, oversized internal capacitors designed to last the life of the pump, and 48 foot power cables. Unlike economy pumps with a similar design, they have no cast-iron components.

The AquaDiver is available with a slotted intake for direct draw in confined spaces (S versions) or with a threaded intake used with floating intake devices (T versions). Both are typically operated with a pump controller that turns the pump on and off in response to the demand for water and protects against damage from dry running.



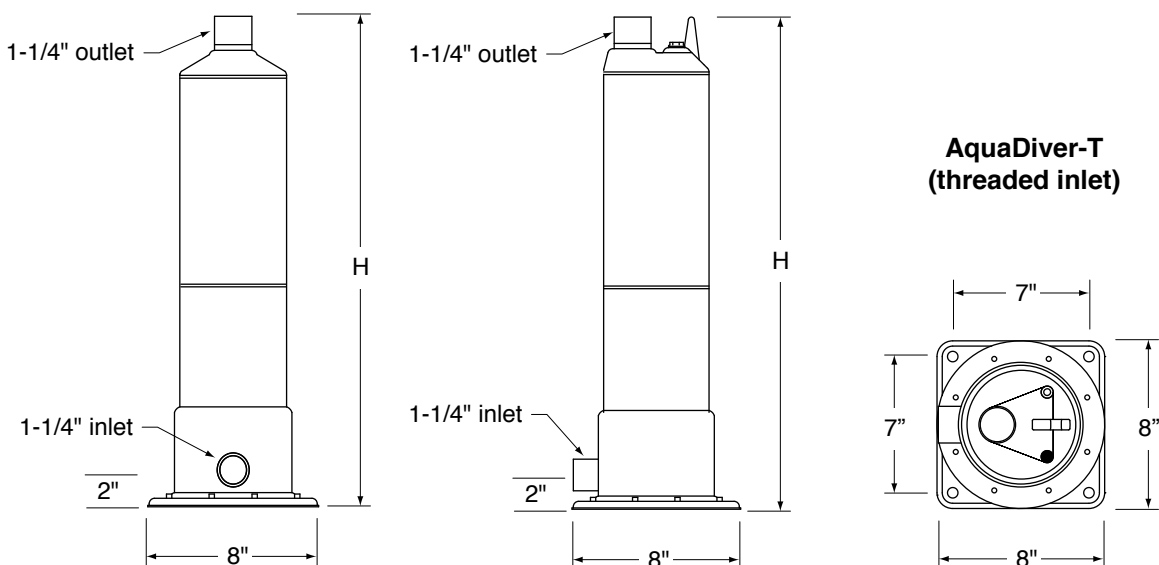
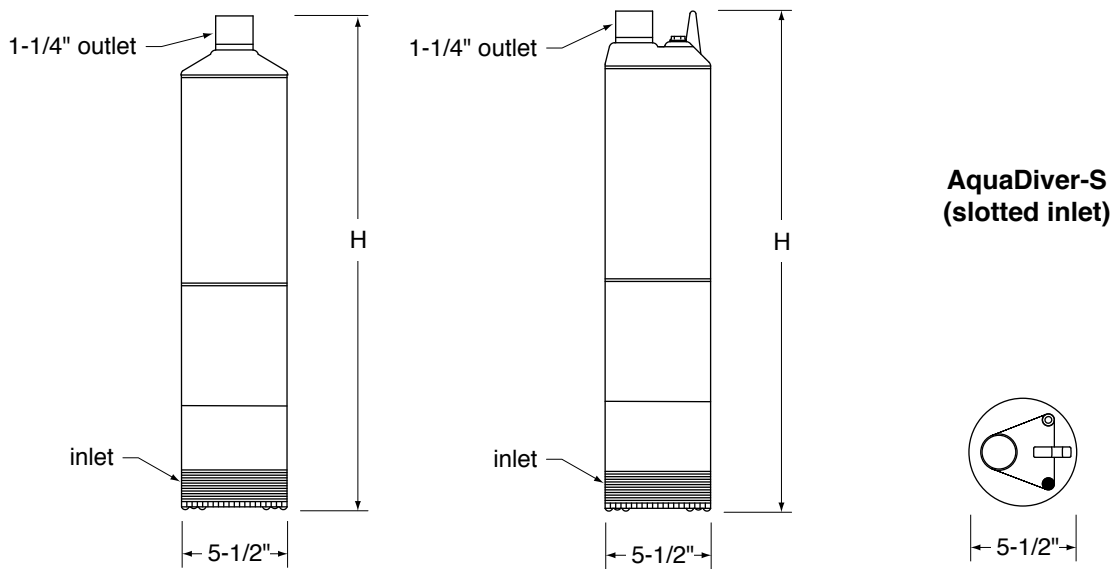
HYDRAULIC PERFORMANCE



PHYSICAL AND ELECTRICAL CHARACTERISTICS

Model	Power	Voltage	Current	Inlet	Outlet	LxWxH	Weight
AquaDiver-S50	1/2 hp	120v-1 ϕ	10 a	slots	1-1/4" fpt	6x6x22	38
AquaDiver-S100	1 hp	120v-1 ϕ	12 a	slots	1-1/4" fpt	6x6x22	38
AquaDiver-S150	1-1/2 hp	240v -1 ϕ	8 a	slots	1-1/4" fpt	6x6x26	42
AquaDiver-S150/3	1-1/2 hp	240v -3 ϕ	5 a	slots	1-1/4" fpt	6x6x26	42
AquaDiver-T50	1/2 hp	120v -1 ϕ	10 a	1-1/4" fpt	1-1/4" fpt	8x8x22	38
AquaDiver-T100	1 hp	120v -1 ϕ	12 a	1-1/4" fpt	1-1/4" fpt	8x8x22	38
AquaDiver-T150	1-1/2 hp	240v -1 ϕ	8 a	1-1/4" fpt	1-1/4" fpt	8x8x26	42
AquaDiver-T150/3	1-1/2 hp	240v -3 ϕ	5 a	1-1/4" fpt	1-1/4" fpt	8x8x26	42

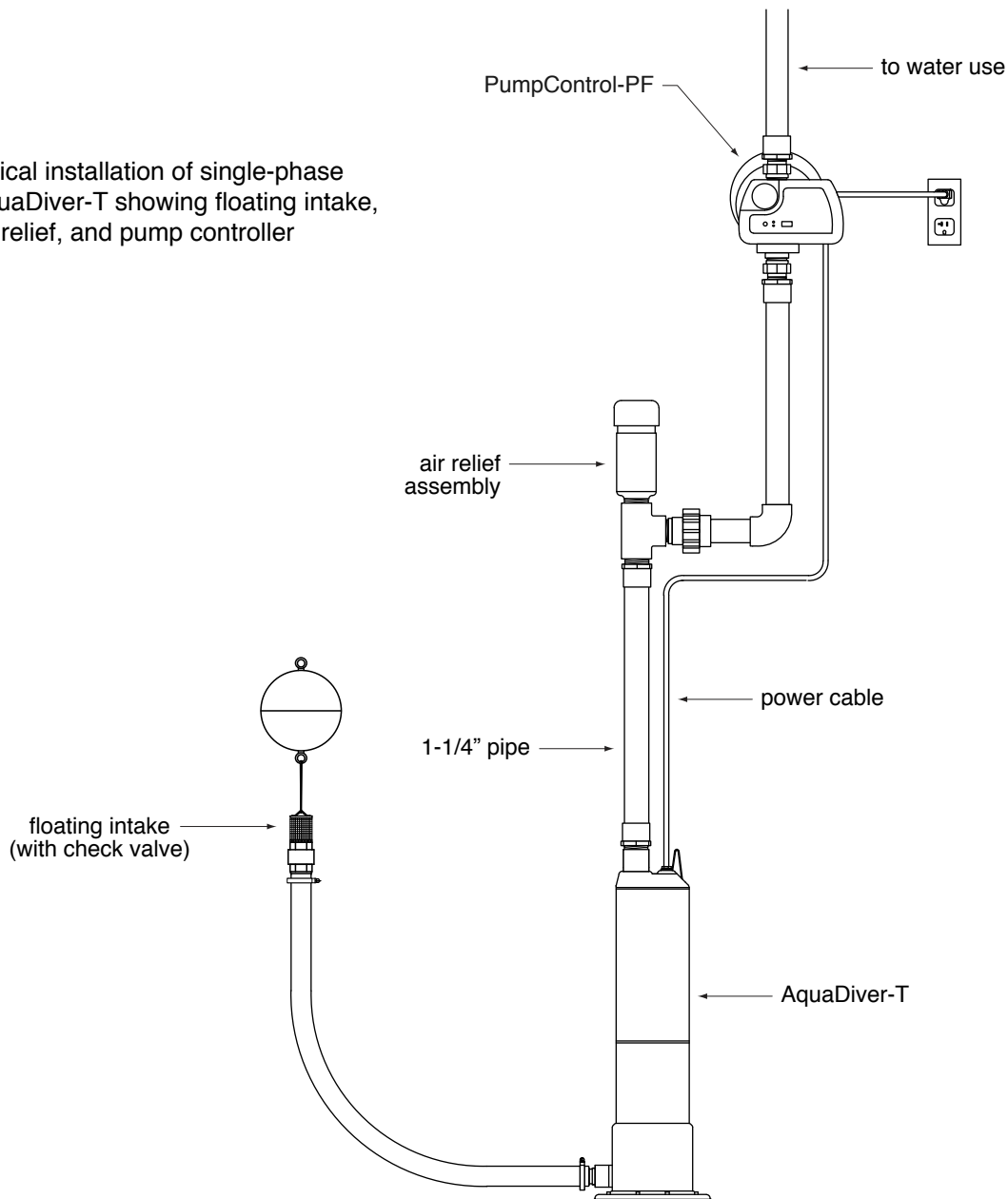
All AquaDiver pumps include 48 ft power cords with plugs and internal capacitors.



INSTALLATION DETAILS

AquaDiver pumps are designed to be used in clean water with a maximum temperature of 40°C (104°F) and a maximum depth of 20m (65ft). A float switch, pump controller, or other low-water shutoff device is essential to protect the pump from dry running. Single-phase pumps have internal thermal overcurrent protection, but three-phase versions require external overcurrent protection such as that provided by VFD pump controllers. Unions or other disconnect fittings should be provided for pump maintenance.

typical installation of single-phase AquaDiver-T showing floating intake, air relief, and pump controller



typical installation of two three-phase AquaDiver-T pumps showing dual floating intakes, dual air reliefs, dual variable-frequency-drive pump controllers, and dual pressure tanks

