

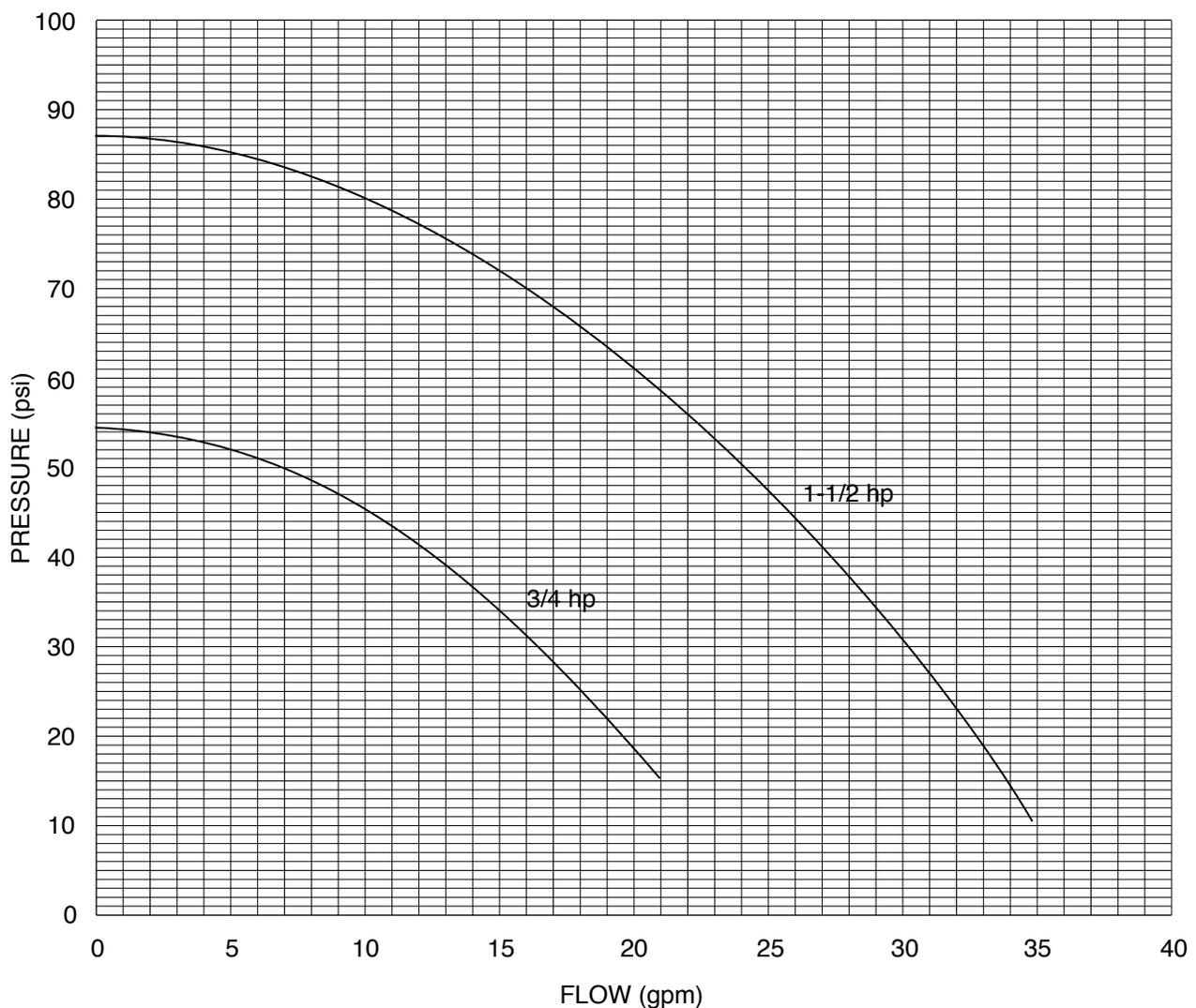
AquaSpring

AquaSpring pumps are compact, heavy-duty, multi-stage centrifugal pumps designed to deliver pressurized water for building and landscape water supply systems. Three versions are available: 3/4hp/120v, 1-1/2hp/240v, and 1.5hp/240v/3ø. All feature 304 stainless steel housing, cast-aluminum motor supports, and ceramic/carbon pump seals. Rotors, diffusers, and diffusers are made of technopolymers to eliminate corrosion. Asynchronous motors are designed for continuous duty with superior energy efficiency and quiet operation.

AquaSpring pumps are self-priming for inlet heads up to 25 ft, making them suitable for use with both surface and underground water storage tanks. They must be installed in a well-ventilated location sheltered from rain and protected from flooding.



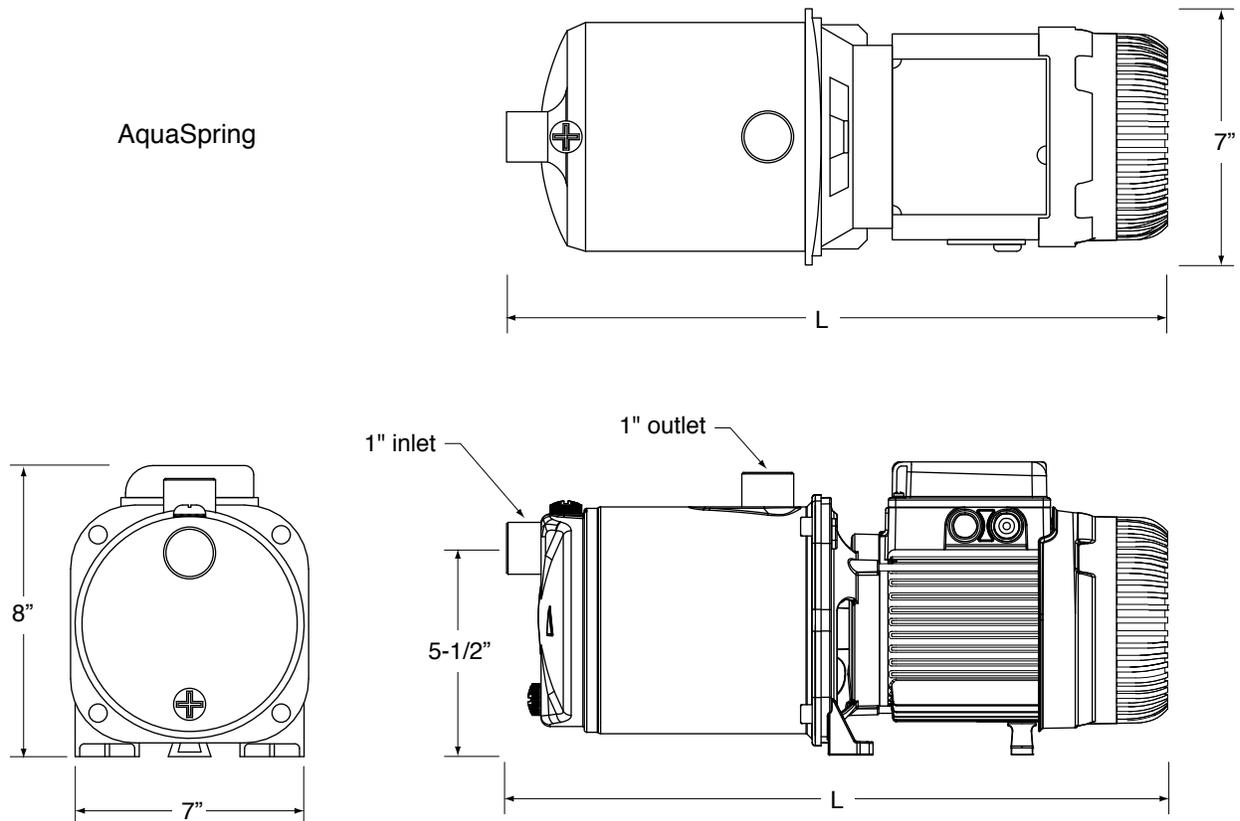
HYDRAULIC PERFORMANCE



PHYSICAL AND ELECTRICAL CHARACTERISTICS

Model	Power	Voltage	Current	Inlet	Outlet	LxWxH	Weight
AquaSpring 75	3/4 hp	120v-1 ϕ	7.8 a	1" fpt	1" fpt	15x7x8	24 lb
AquaSpring 150	1-1/2 hp	240v-1 ϕ	6.5 a	1" fpt	1" fpt	18x7x8	34 lb
AquaSpring 150/3	1-1/2 hp	240v -3 ϕ	4.4 a	1" fpt	1" fpt	18x7x8	34 lb

All AquaSpring pumps include 8 ft power cords. 120v Versions have plugs.

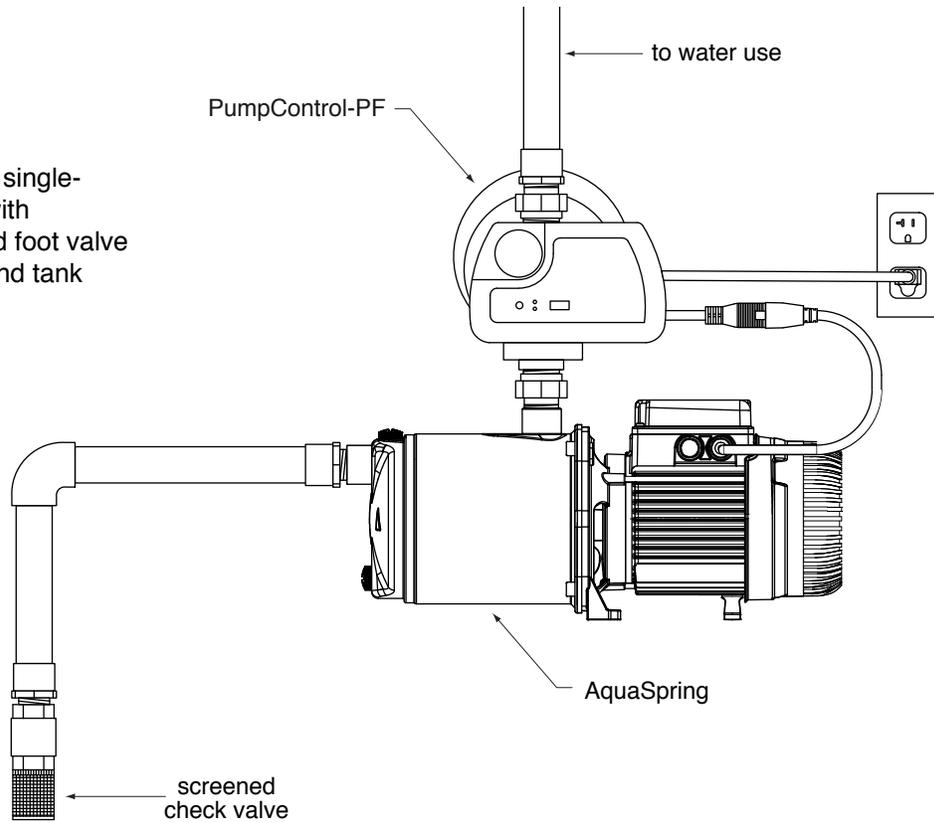


INSTALLATION DETAILS

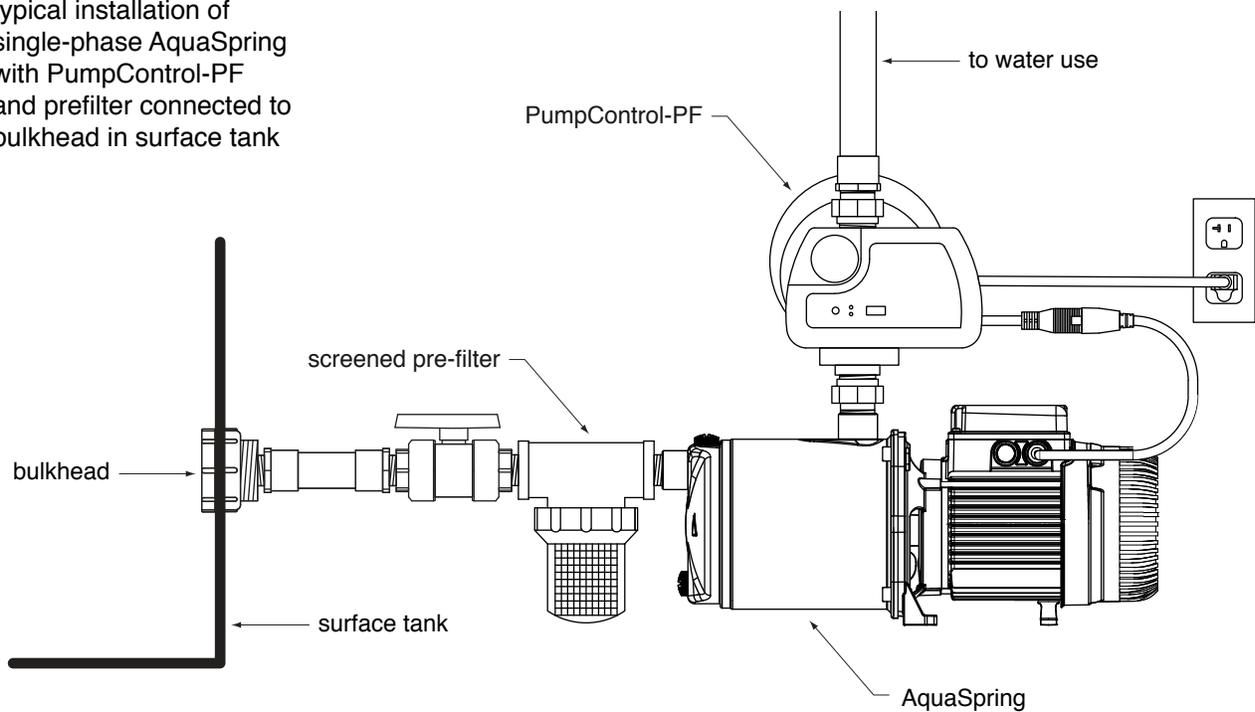
AquaSpring pumps are designed to be used with clean water, free of solids and abrasives, with a maximum temperature of 35°C (95°F). A float switch, pump controller, or other low-water shutoff device is essential to protect against dry running. Single-phase AquaSpring pumps have internal thermal overcurrent 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 to simplify pump maintenance.

AquaSpring pumps are self-priming when the total inlet head is less than 25 feet. In suction lift installation, such as with underground tanks, a screened check valve is necessary at the end of the intake line and the intake line must run only horizontal or upward until reaching the pump. In flooded suction installations, such as with surface tanks having bottom outlets, a screened pre-filter is necessary in the intake line and a shutoff valve must be provided to facilitate filter cleaning.

typical installation of single-phase AquaSpring with PumpControl-PF and foot valve intake for underground tank



typical installation of single-phase AquaSpring with PumpControl-PF and prefilter connected to bulkhead in surface tank



typical installation of dual
three-phase AquaSpring with
dual PumpControl-VFD, dual
pressure tanks, and foot valve
intake for underground tank

