

Aquavar ABII

Quick Start Guide

Installation Steps:

1. Install the Pump

- Plumb suction and discharge of pump into piping.
- Install a spring check valve on the suction side.
- Also install a spring check valve on the discharge.
- Locate the pump as near liquid source as possible.

2. Install the Pressure Transducer

- Install the pressure transducer in the tank tee provided with the unit.
- Locate the transducer within 120" of the controller.

3. Mount the Controller

- Mount vertically in a well ventilated, shaded area with 8 inches of free air space on every side and temperature between 34° F and 104° F.

4. Connect Input Power

- Connect the 1Ø power from a 20 amp 2-pole circuit breaker.
- Do not use GFCI protection with ABII as nuisance tripping will result.

5. Output Power Connections

- Connect the output power leads from the controller to the 3 motor leads in the conduit box on the motor.

6. Set the motor Overload Switches (or dials, 3 and 5 hp)

- Complete systems have overloads pre-set at factory.

7. Set the Pressure - Factory pre-set is 50 PSI

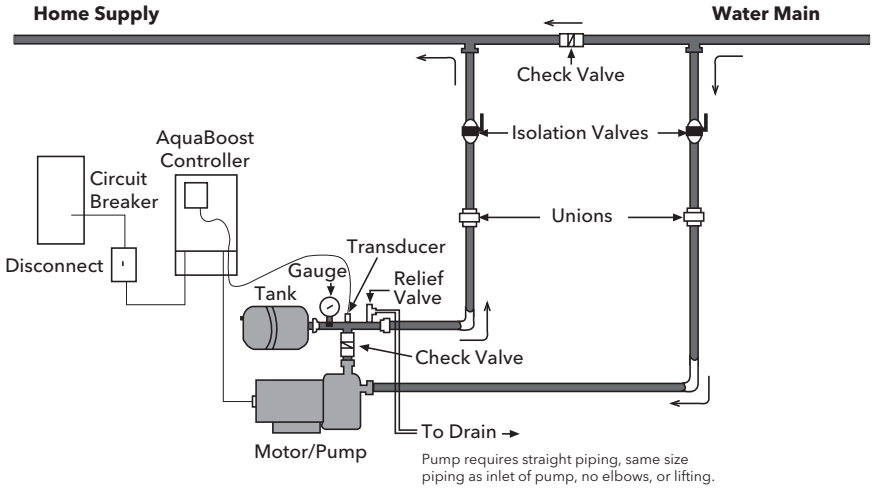
- Push and hold the increase or decrease pressure adjust pushbutton until the desired pressure setting is reached.
- The maximum allowable pressure setting is 85 psi.

8. Set the Application Switches (or dials, 1 hp and 2 hp only)

- Minimum Speed of 10 Hz - the incoming pressure is within 20 PSI of the desired pressure setting.
- Minimum Speed of 30 Hz - the incoming pressure is 20 PSI or more below the desired pressure, if pumping from a tank or if drawing a suction lift.
- Ramp Speed - Slow - low flow; Medium - medium flow; Fast - high flow
- Do not adjust any switches with power applied.

Aquavar ABII Controller Typical Installation

This diagram shows a set-up for municipal water connection. This allows pump maintenance without main line shut-off.



AquaBoost II Required Components:

1. Pump with Motor
2. AquaBoost II Controller with Integral Pressure Sensor Cable
3. Pressure Tank
4. Pressure Sensor
5. Mounting Kit
6. Tank Tee with Pipe Plug
7. Pressure Gauge