

GOULDS PUMPS Residential and Commercial Water Systems

AQUABOOST CONTROLLER FEATURES

Input Power* — 208-230V \pm 15%, single phase
(controller only)

Output Power — Up to 230V three phase (based on
input voltage). Motor rated for
208-230V, \pm 10%.

Maximum Output Current — 4.2 amps – 1AB2 (1 HP)
— 6.9 amps – 2AB2 (2 HP)

Input Controls — Up and down buttons to set pressure.

Signal Lights — Power on, pump running, inverter
stopped, pump stopped, standby, faults/errors.

Electrical Efficiency — Over 95% at full load

Protection Against — Short circuit, under voltage,
overload, motor temperature, dead heading, run out,
suction loss, sensor fault, bound pump, over voltage,
static discharge. **Note:** Suction loss/run out is set for
minimum 10 psi at discharge!

Ambient Temperature — 34° F to 104° F

Maximum Humidity — 95% at 104° F, non-condensing

Air Pollution — Avoid mounting in areas with exces-
sive dust, acids, corrosives and salts.

Approvals —

Controller Enclosure — Outdoor, NEMA 3R, IP 43
(Rain-tight)

Mounting — Wall mount with mounting hardware.

Cooling — Convection with cast aluminum heat sink.
— 3 HP, 5 HP with temp. fan.

Transducer — 0.5 - 4.5 VDC with 5 VDC power supply,
100 psi range, 80-inch 3-wire shielded cable.

Input Wire — 5 feet of 14, 10 or 8 gauge cable.

Depending on size, cable is pre-wired to controller and
motor conduit box.

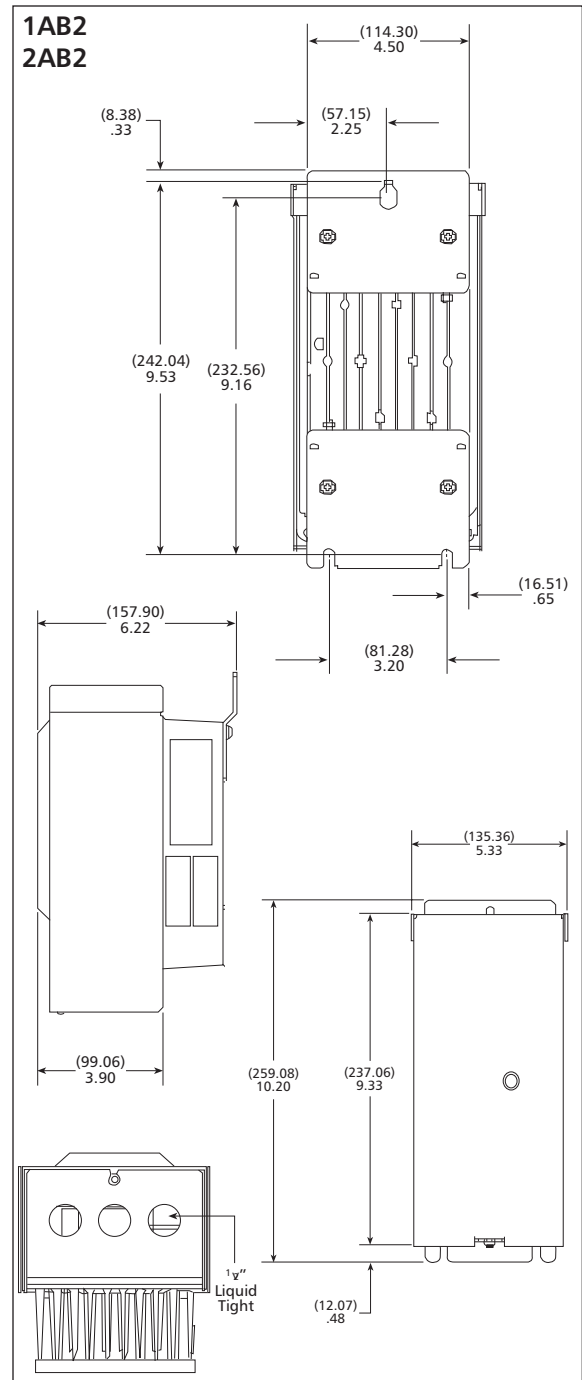
Output Wire — 10 feet of 14 gauge cable. Cable is pre-
wired to controller and pump motor (when provided).

*Low input voltage may affect motor operation.

PRESSURE RANGE

Nominal Range — Field adjustable from 20 - 80 psi, total system pressure.

DO NOT SET REQUIRED SYSTEM PRESSURE ABOVE 80 PSI. SEVERE DAMAGE TO PLUMBING COULD RESULT. PLUMB RELIEF VALVE OUTSIDE OR DRAIN.



SUGGESTED AQUABOOST INSTALLATION FOR MUNICIPAL WATER SYSTEM

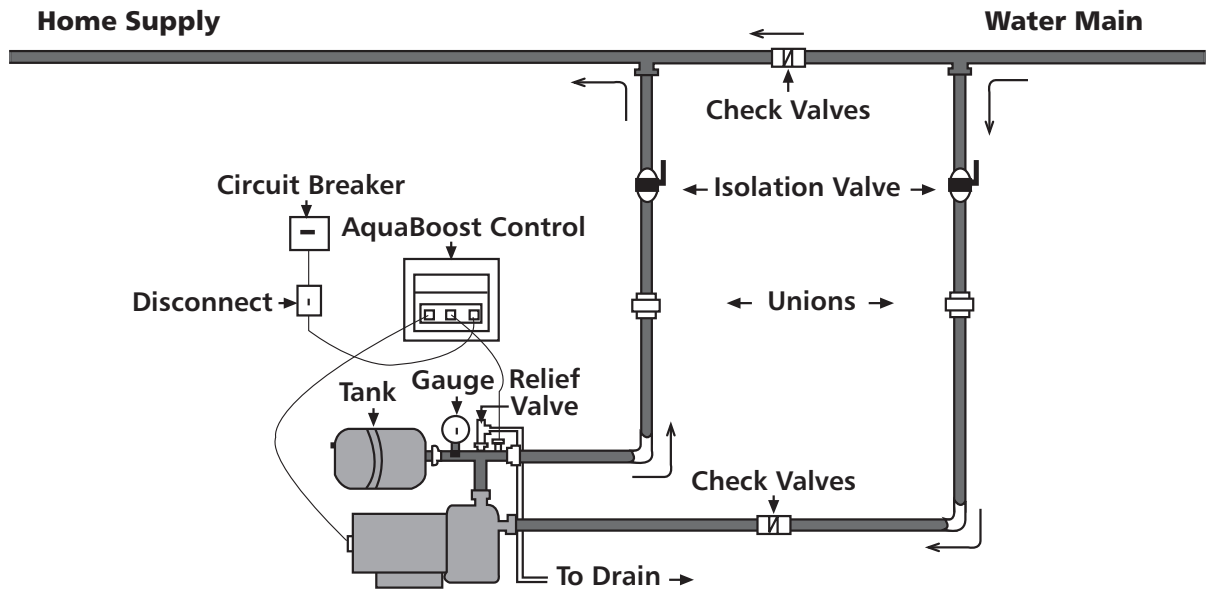


Figure 1

SUGGESTED AQUABOOST INSTALLATION FOR WELL PUMP SYSTEM

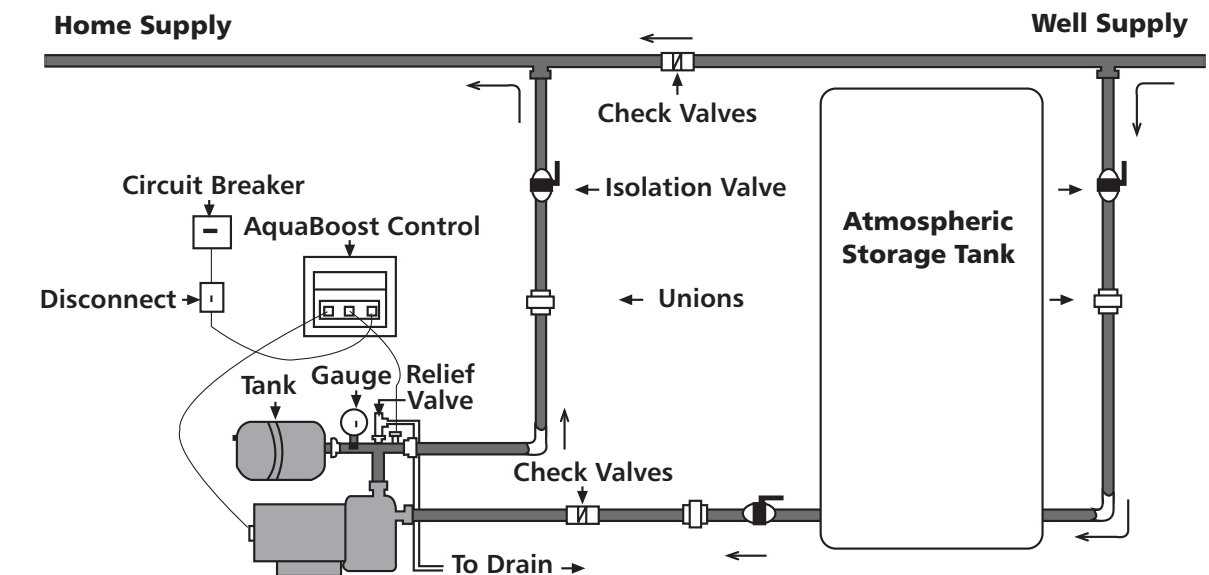


Figure 2