

ITT

Residential Water Systems

Goulds Pumps

3AB2 Variable Speed Constant Pressure Pump Controller



3AB2 CONTROLLER FEATURES

Input Power* — 196-264 Volts, single phase 2 wire, grounded

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

Maximum Full Load Current — 10.9 Amps

Input Controls — Press and hold pressure increase/decrease buttons. Min. speed & motor overload switch.

Signal Light — Power on, pump running, pump stopped, faults/errors.

Electrical Efficiency — Over 95%

Protection Against — Short circuit, under voltage, motor overload, motor temperature, dead heading, run out, suction loss, sensor fault, bound pump, over voltage, over/under temperature.

Ambient Temperature — 0° F to 122° F

Maximum Humidity — 95% at 122° F, non-condensing

Air Pollution — Avoid mounting in areas with excessive dust, acids, corrosives and salts.

Controller Enclosure — NEMA 3R, IP 22 (Rain-tight)

Mounting — Wall mount (mounting screws included).

Cooling — Convection with heat sink and fan.

Transducer — 0.5 - 4.5 VDC with 5 VDC power supply, 85 psi range, 80-foot 3-wire cable. Consult factory for higher ranges.

Input Wire — 5 feet of 10 gauge cable. Cable is pre-wired to controller. (3AB2W models)

Output Wire — 10 feet of 14 gauge cable. Cable is pre-wired to controller. (3AB2W models)

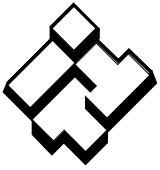
*Low input voltage will affect motor operation.



Goulds Pumps is a brand of ITT Water Technology, Inc. - a subsidiary of ITT Industries, Inc.

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PRODUCT OVERVIEW

The 3AB2 AquaBoost II pump controller provides an economical answer for municipal and private water systems with low water pressure. Both domestic and light commercial applications can benefit. As water use increases, the AquaBoost II changes pump speed to maintain pressure. Large supply tanks are eliminated and up to 50% of the energy required by a full speed pump is saved.

The 3AB2 is available with a power capacity to handle homes with up to four baths, irrigation, filtration and fire suppression systems. The AquaBoost II is available as either a separate controller (standard) or as part of a complete pump package with everything you need to plumb it to a domestic water line.

COMPONENTS / PART NUMBERS

3AB2 — 10.9 Amp AquaBoost II controller, wall mount set, transducer, outdoor rated enclosure. (Pump and tank not included.)

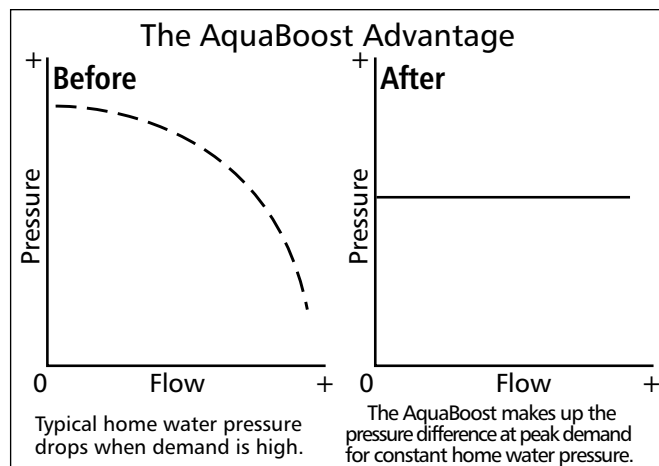
3AB2W — 10.9 Amp AquaBoost II controller, wall mount set, transducer, Cable, incoming power wire and conduit (5 ft.), motor power wire and conduit (10 ft.). (Pump and tank not included.) Incoming wire 10AWG. Motor wire is 14AWG copper. Wires are in flexible metal conduit.

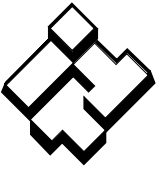
PRESSURE RANGE

Nominal Range — Field adjustable from 20 - 85 psi, total system pressure.



DO NOT SET REQUIRED PRESSURE ABOVE 85 PSI. SEVERE DAMAGE TO PLUMBING, PUMPS, TANK OR FIXTURES CAN OCCUR.

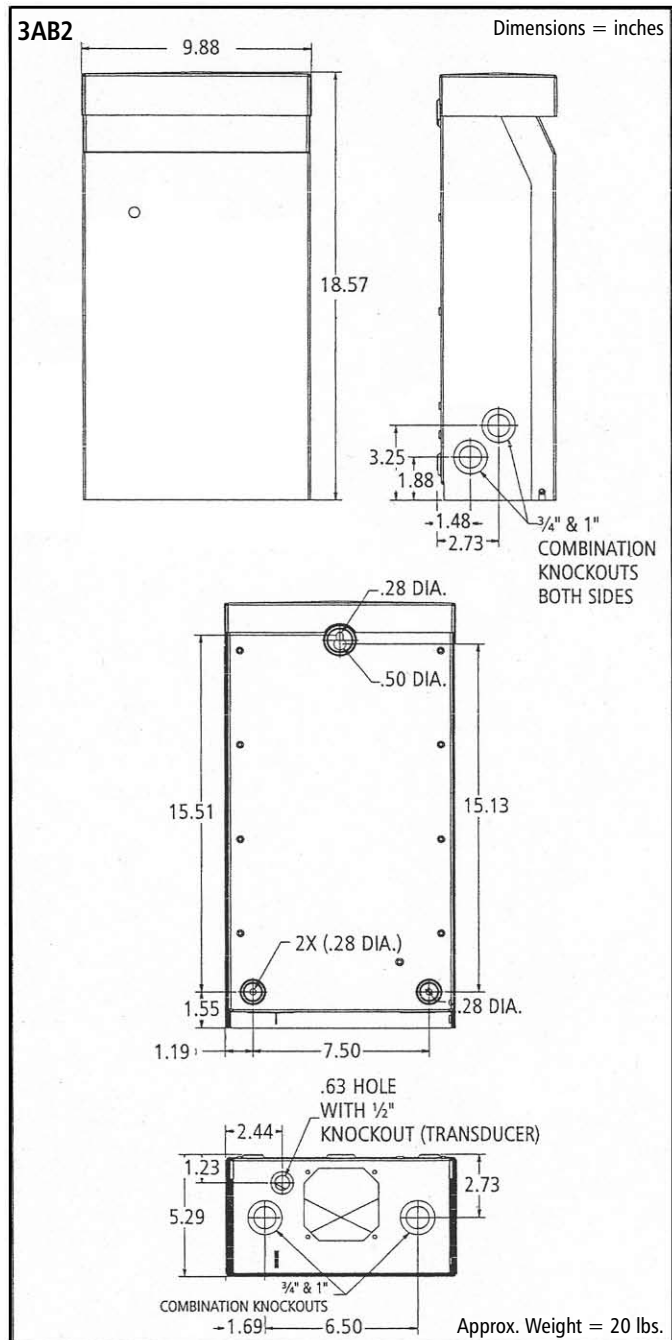


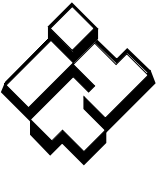


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DIMENSIONS





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TYPICAL SYSTEM INSTALLATIONS

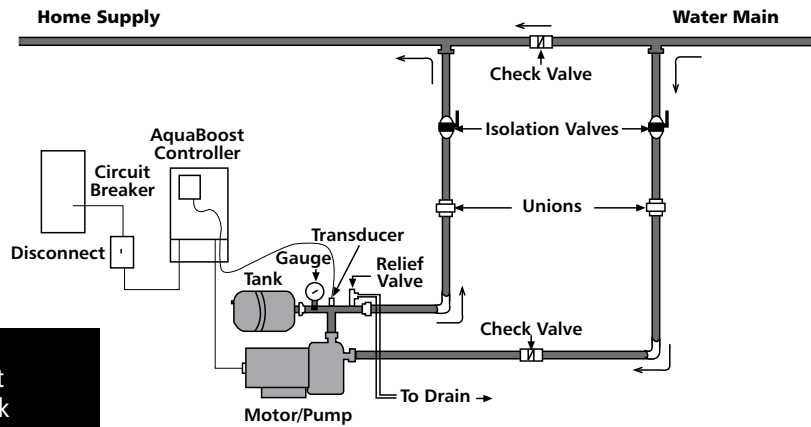


Figure 1
System Layout
for supply tank

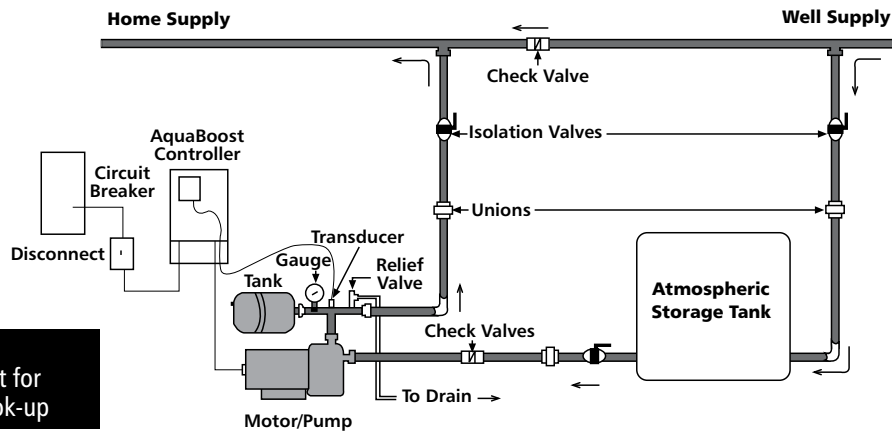


Figure 2
System Layout for
municipal hook-up

Note
Fittings and valves are not included with AquaBoost controllers.



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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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