

Successful aquaculture depends on maintaining healthy and productive animals in high density populations. In order to maintain this habitat the water quality must be precisely controlled. While there are many controls that can be used, the cost and ease of use of the overall system is usually sacrificed.

Walchem has developed a controller capable of handling the needs of these intensive ecosystems. The system is designed as a hub for control, communication, and data collection. It can control parameters such as pH, by the addition of an acid or base and notify you immediately if the system readings deviate from the assigned range.



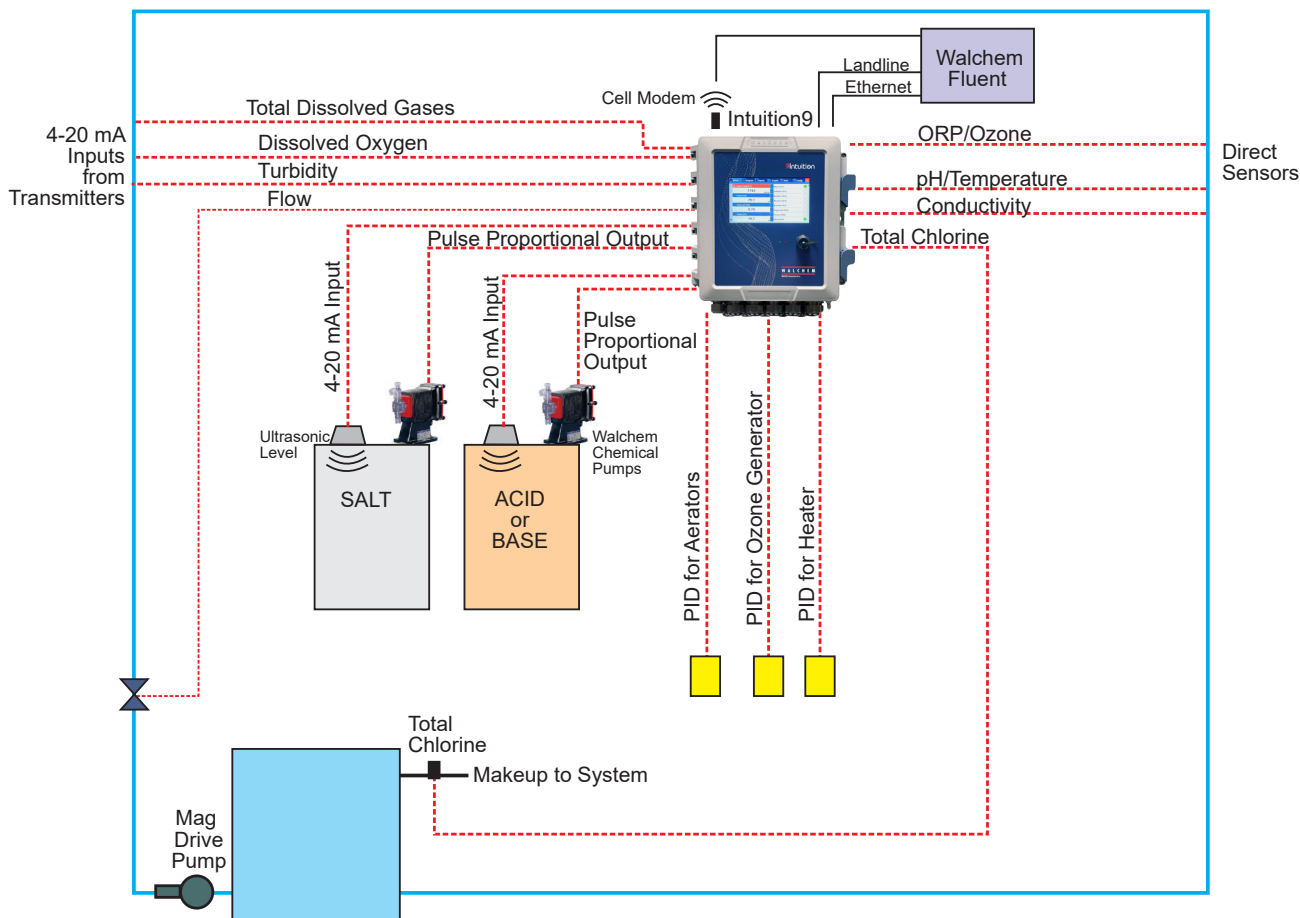
CAPABILITIES:

- Precise Control of pH, ORP, ozone, free chlorine, conductivity or salinity
- Ability to control-dissolved oxygen, ammonia and turbidity as well as other devices with 4-20 mA or digital inputs
- Rapid data logging
- Graphing and trending to increase efficiencies and troubleshoot systems
- Rapid alarm notification through cell phone text messaging and e-mails
- Communication via LAN or cellular gateway

HARDWARE ATTRIBUTES:

- Up to 8 direct sensor inputs
- Up to 24 4-20 mA inputs for transmitters-oxygen, ammonia, level, flow, pressure, etc.
- Twelve digital inputs-flow, chemical feed verification, or any discrete contact
- Eight 10 amp relays
- Four 4-20 mA outputs-for PID or proportional control

Intuition 9 CONTROLLER FOR AQUATIC ENVIRONMENTS



Additional products for Aquaculture Systems:

INTUITION 6 OZONE, PH, ORP AND CONDUCTIVITY CONTROLLERS

- Completely Programmable from Touch Screen
- On-Screen Graphing and Variable Data Logging
- Variable Sensor Input Configurations- Walchem or 4-20 mA sensors
- Remote Communications-via Ethernet
- 6 Relays- Powered, Pulse Proportional or Dry Contacts
- Optional Dual Analog Output Card

CHEMICAL PUMPS

- Full range of solenoid and motor driven pumps with chemically compatible liquid ends



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