

AquaMatic's TAC-3000 is a solid state, state-of-the-art control panel which provides the ultimate controlled internal cleaning system for the water wash ventilation.

The TAC-3000 Control Panel offers three convenient modes of operation: program, automatic and manual.

The AquaMatic TAC-3000 is user friendly, programmed via the four line, liquid crystal display allowing the operator to program "ON" and "OFF" times for supply and exhaust fans. Up to five wash zones and select fan operation during fire can be selected. Standard features provide control of the shunt trip breaker, the building alarm system and an optional electric gas valve control. Door mounted indicator lights show the status of supply and exhaust fans, fire condition, water valve and AC power.

A key switch is used to select the "Program", "Automatic" or "Manual" mode and denies access to unauthorized users. The touch pad is water proof, providing exceptional durability and longevity. When a function is selected, a tone is generated to provide feedback while programming.

FEATURES

- ETL Listed Product
- User Friendly, Menu Driven Programming
- Internal RAM Battery
- Program Key Switch
- Manual Mode
- User Selected Fan Controls
- 24 Hour 7 Day Program for 5 Zones
- 24 Hour 7 Day Program Fan Controls
- Programmable Holiday Schedule
- Audible Fire Alarm, Indicator Light and Display Message
- Shunt Trip Breaker Output
- Building Fire Panel Contact
- Plug in Solid State Relays
- On Board Circuit Breakers
- Liquid Crystal Display
- PIEZO Electronic Key Pad
- Plug in Connectors
- Fire, Fan, Zone, Water and Power Outage Indicator Lights
- Manual Override Switches
- Maintenance Switch

OPTIONS

- Manual Lighted Fire Condition Button
- Gas Valve Control
- Auxiliary Output
- Low Soap Level Indicator
- Cold Water Mist
- Additional Zone Control

AQUAMATIC'S INTEGRATED SYSTEM

AquaMatic® offers a total system to insure maximum installation and operating efficiencies. Components consist of the ventilator, fire system and electrical controls contained within an integral utility cabinet, and fan packages including exhaust, untempered and tempered make-up air packages. Also available are air purification and energy management systems. Fire suppression systems include final hookup and inspection. Call your AquaMatic Representative for more details.

HOT WATER LINE SIZE

Hood Length	Hot Water Line Size @ 20 psi	Water Consumption Gallons per min.
Up to 16 ft	3/4" ips	Up to 17 gpm
16 - 32 ft	1" ips	17 - 34 gpm
32 - 48 ft	1 1/2" ips	34 - 51 gpm

SPECIFICATIONS

Program Mode

In the program mode all functions can be programmed by the operator. The program menu consists of the following control lines:

- **Set Date and Time:** allows the operator to change the date and time.
- **Fan Cycle:** sets multiple "ON" and "OFF" times per day for the connected exhaust/supply fans.
- **Wash Cycle:** sets multiple "ON" and "OFF" times per day for each zone independently.
- **Wash Duration:** sets length of each wash.
- **Soak Duration:** sets length of each soak.
- **Rinse Duration:** sets length of each rinse.
- **AUX 1:** sets multiple "ON" and "OFF" times per day for user defined item.
- **AUX 2:** sets multiple "ON" and "OFF" times per day for user defined item.
- **AUX 3:** sets multiple "ON" and "OFF" times per day for user defined item.
- **Fire Condition:** operator selects which fans are "ON" or "OFF" in a fire condition.
- **Holiday:** operator specifies up to 12 holidays during which the system will not run the programmed schedule.

Automatic Mode

In Automatic Mode the system runs the programming and the screen displays the date, time and status of the system.

Manual Mode

Manual Mode is used to override programming and give the operator immediate control of the system. The operator controls the system through an on-screen menu which prompts the user to toggle the fans "ON" and "OFF", "Start", "Pause" or "Stop" each of the five wash zones, and toggle the auxiliary outputs "ON" and "OFF".

Battery Back-Up

The system is battery backed-up to prevent false alarms. The program is backed-up with an internal battery which will hold the program indefinitely upon loss of AC and DC power.

Fire Condition

The fire trip signal is triggered through the fire suppression system microswitch or the thermo switch located in the hood duct collar. If the fire system discharges or the thermo switch opens the TAC-3000 will be sent into a fire condition. A red fire light will illuminate on the front panel, the panel mounted alarm will sound, and the display will indicate fire. The TAC-3000 will set the fans to the programmed state, open water valves for all zones, trip the shunt trip breaker, shut off the gas valve, and signal the building alarm system. Once the signal is restored, the TAC-3000 is reset by pressing any one of the five keys.

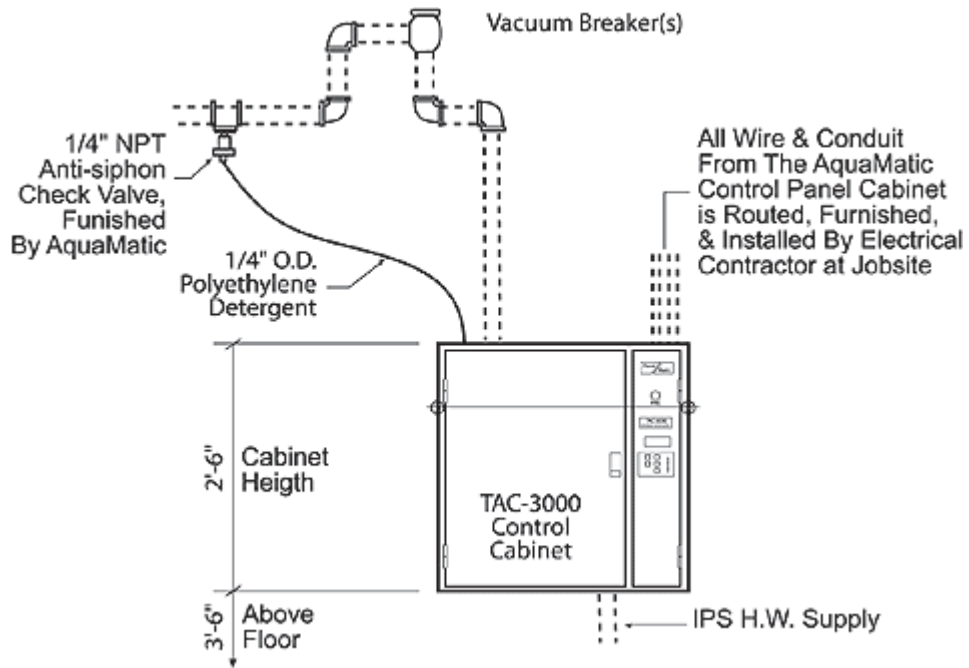
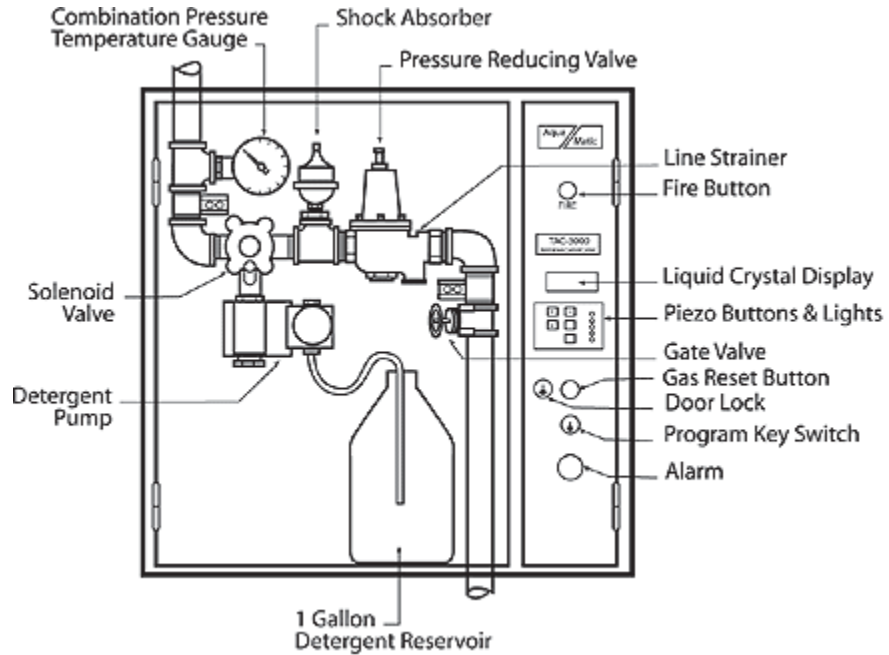
Manual Fire Mode Switch

In the event of a CPU failure, a toggle switch labeled "Manual Fire Mode Switch" on the rear board can be turned on to maintain fire protection.

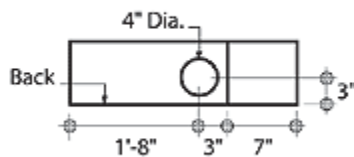
Maintenance & Upgrade

The TAC-3000 is easy to maintain. All relays have built-in indicator lights for status and diagnosis of problems; relays can easily be removed and replaced as well. Both circuit boards are equipped with quick disconnect plugs for easy removal and replacement - simply unplug the faulty board and plug in the new board. Each TAC-3000 is custom designed and built for individual applications. However, an additional zone control or another option can be added by installing a control relay in the field; there is no need to replace the entire panel.

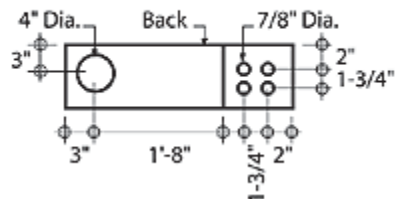
SECTIONAL VIEWS



Bottom View



Top View



CERTIFICATIONS

The TAC-3000 Model has been certified by ITS. This certification mark indicates that the product has been tested to and has met the minimum requirements of a widely recognized (consensus) U.S. and Canadian products safety standard, that the manufacturing site has been audited, and that the applicant has agreed to a program of periodic factory follow-up inspections to verify continued performance.



Models TAC-3000 are ETL Listed under file number 3054731-001 and complies with UL508A Standards and CSA C22.2, No. 14-M95 and CSA C22.2, No. 73-1953 Standards.