



# AquaMatic® Stager Controls

962 Series



The AquaMatic 962 Stager Controls combine an AquaMatic Stager with an Autotrol® 962 Series Electronic Control, mounted and prewired in a NEMA-rated enclosure. The AquaMatic Stager is a rotary pilot valve with multiple ports for directing fluid flows to operate various diaphragm valves installed in a water treatment system. AquaMatic Stager internal parts are constructed of durable, non-corroding, self-lubricating materials for long, maintenance-free life.

The 962 Series Electronic Controls provide sophisticated, demand-based water conditioning by combining a microprocessor with a flow meter to electronically monitor the amount of water used. Time-based and/or external signal initiation is also available as a standard feature.

This fully programmable series of controls provide the ability to fine-tune the operation to meet the application requirements.

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**AquaMatic**  
Pentair Water



- NEMA 4XFG Fiberglass Enclosure
- 115 VAC 50/60 Hz and 230 VAC 50/60 Hz
- U.S. or Metric Units of Measure

#### Options

- Battery backup
- Contact closure (dry or powered) during a cycle or cycles
- SPD relay for additional signal (alternating units only)

#### Features and Benefits

- **Homing Operation** – Control and stager automatically synchronize to the service position.
- **Cycles** – Up to 15 programmable timed regeneration cycles are available (0 to 255 minutes).
- **Electronic Monitoring** – Accepts input from a variety of flow sensors.
- **Memory Retention** – During a power outage, critical operating information is stored in memory.
- **Capacity Setting Lockout** – The control can be programmed to lock the capacity value.
- **Operating Histories** – Key data (peak flow, average daily usage) is retrievable from memory.
- **Multiple Initiation Options** – *Manual Regeneration:* A separate REGEN button is provided for manual regenerations. *Remote Regeneration:* Terminals (with programmable delay) permit regeneration from remote location. *Calendar Override:* Can be set to regenerate every one to thirty days if water volume has not caused a regeneration. *Day of the Week:* Regeneration on a specific day or days of the week with regeneration occurring at a specific time of day (programmable). *Volume of Water Used:* With regeneration occurring either immediately or delayed to a specific time of day (programmable).
- **Selected Reserve Options** *Fixed Reserve:* The reserve is fixed at a programmable percentage of the total capacity. *Variable Reserve:* The controller monitors daily water usage and at the programmed time of regeneration, calculates the average water used for each day of the week.

#### Applications

Single Unit Controls	Model Number	Description
Typical Softeners and Filters	E948*	962 Control w/model 48, 6 port stager
More Complex Softeners and Filters	E951*	962 Control w/model 51, 8 port stager
Multiple Unit Controls	Model Number	Description
Twin-Alternating Softeners and Filters (with timed brine switch output)	E958-TB	962 Control w/model 58-TB, 16 port stager
Twin-Alternating Softeners	E958-TA	962 Control w/model 58-TA, 16 port stager
Sequential Filters (backwash only)	E948	962 Control w/model 48, 6 port stager
2 Unit Sequential Filters (backwash and rinse)	E951	962 Control w/model 51, 8 port stager
3 or 4 Unit Sequential Filters	E958	962 Control w/model 58, 16 port stager

\*Two-tank and three-tank parallel systems can be controlled by individual controls provided with lockout feature (lockout feature is void when using the added relay output option).