

COMMERCIAL
 STAGER
 CONTROLS



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.



AquaMatic
 Pentair Water

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- 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).