

AquaMatic® 962 Series Stager Controls

Electronic Controls for Filters and Softeners



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 series 962 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.

Standard Features

- z Accepts an input from a variety of flow sensors to electronically monitor the amount of water used
- z Homing operation - The control and stager automatically synchronize to the service position
- z NEMA 4XFG fiberglass enclosure
- z 115VAC 50/60Hz and 230VAC 50/60Hz
- z Up to 15 programmable timed regeneration cycles are available, programmable from 0 to 255 minutes

Optional Features

- z Battery backup (rechargeable) for monitoring time-of-day and water usage for up to eight hours during a power outage
- z A dry or powered contact closure can be provided during a cycle or cycles of operation on all models
- z A SPDT relay can be added to provide an additional signal during Service/Regeneration (Single Tank & Twin-Alternating units only)

AQUAMATIC 962

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 & Filters (w/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 & 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).

Special Features

- z Memory Retention – During a power outage, critical operating information is stored in memory with no reprogramming required
- z Capacity Setting Lockout – The control can be programmed to lock the capacity value so it cannot be altered after installation
- z Operating Histories – Important operating data is stored in memory and is retrievable upon demand. The historical data includes peak flow data as well as average daily usage for each day of the week
- z U.S. or Metric Units of Measure
- z Multiple Initiation Options
 - Manual regeneration – A separate REGEN button is provided for manual regenerations
 - Remote regeneration – A set of terminals (w/programmable delay) is provided to allow for a regeneration to be initiated from a remote location
 - Calendar override – If the volume of water has not caused a regeneration, the 962 can be set to regenerate every one to thirty days
 - 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)
- z Selectable Reserve Options
 - Fixed reserve – The reserve is fixed at a programmable percentage (30% factory preset) of the total capacity
 - Variable reserve – The controller monitors the daily water usage and at the programmed time of regeneration, calculates the average water used for each day of the week. The reserve capacity is set to 120% of the average water usage for the next day.

For More Information:

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