

INDUSTRIAL VALVE CONTROLS



AQUAMATIC CONTROLLERS & STAGERS FOR SOFTENERS & FILTERS



E Series
Controller



A100 Series
Controller

Each model includes an AquaMatic Controller and Stager. **Controllers:** Choose from E Series Electronic Demand/Metered Controller (AquaMatic 962) and A100 Series Electromechanical Time Initiated Controller. **Stagers:** Choose from Series 48 brass stager with 6 ports, Series 51 brass stager with 8 ports, and Series 58 PVC stager with 16 ports. The 48 stager can control typical softener or filter systems as well as sequential backwash filters. For more complex systems such as non-standard softeners, twin alternating softeners or filters, the 51 or 58 stagers are required.

Max. Pressure: 125 psi (8.6 bar) Max. Temperature: 150°F (65°C)

Softeners — AquaMatic Controller with Stager (Flow Meter Not Included — See Next Page)

Time Initiated Control w/ Stager Model No.	Demand/Metered Control w/ Stager Model No.	Description	Stager Port Size NPT		
			Inlet	Drain	Control
A148-00	E948-00	Softener, 4 Cycle, Single Tank	1/8"	1/8"	1/8"
—	E948-12	Softener, 4 Cycle, Single Tank with Upflow Brine	1/8"	1/8"	1/8"
—	E948-03	Softener 4 Cycle, Single Tank with Butterfly Cam	1/8"	1/8"	1/8"
A151-07	E951-07	Softener, 5 Cycle, Single Tank with Timed Brine	1/8"	1/8"	1/8"
A151-09	E951-09	Softener, 5 Cycle, Single Tank with Timed Refill	1/8"	1/8"	1/8"
A151-06	E951-06	Softener, 6 Cycle, Single Tank with Timed Brine and Refill	1/8"	1/8"	1/8"
—	E951-12	Softener, 6 Cycle, Single Tank with Brine Recycle	1/8"	1/8"	1/8"
—	E948-TA	Softener, Twin Alternating with Butterfly Cam	1/8"	1/8"	1/8"
A158-TA	E958-TA	Softener, Twin Alternating with Service Lights	1/4"	1/4"	1/8"
—	E958-TB	Softener, Twin Alternating with Timed Brine	1/4"	1/4"	1/8"

Please specify voltage requirement: 115VAC/50-60Hz or 230VAC/50-60Hz. Other voltages may be available, call for details.

A100 Series Models: Please specify 6-day or 7-day clock timer.

E Series Models: Optional Relay Output available (P/N QA-1077737); PWA Circuit Board and Key Pad Assembly available (P/N QA-1078458)

Filters — AquaMatic Controller with Stager (Flow Meter Not Included — See Next Page)

Time Initiated Control w/ Stager Model No.	Demand/Metered Control w/ Stager Model No.	Description	Stager Port Size NPT		
			Inlet	Drain	Control
—	E948-04	Filter, 2 Cycle, Single Tank	1/8"	1/8"	1/8"
A148-01	E948-01	Filter, 3 Cycle, Single Tank	1/8"	1/8"	1/8"
—	E948-12	Filter, 4 Cycle, Single Tank with Air Scour	1/8"	1/8"	1/8"
A151-11	E951-11	Filter, 5 Cycle, Single Tank with Air Scour	1/8"	1/8"	1/8"
—	E958-01	Filter, 5 Cycle, Single Tank with Double Acting Valves	1/4"	1/4"	1/8"
A151-10	E951-10	Filter, 3 Cycle, 2 Tank Parallel with Sequential Backwash	1/8"	1/8"	1/8"
A148-83	E948-83	Filter, 2 Cycle, 3 Tank Parallel with Sequential Backwash	1/8"	1/8"	1/8"
A158-03	E958-03	Filter, 3 Cycle, 3 Tank Parallel with Sequential Backwash	1/4"	1/4"	1/8"
A148-84	E948-84	Filter, 2 Cycle, 4 Tank Parallel with Sequential Backwash	1/8"	1/8"	1/8"
A158-04	E958-04	Filter, 3 Cycle, 4 Tank Parallel with Sequential Backwash	1/4"	1/4"	1/8"
A148-85	E948-85	Filter, 2 Cycle, 5 Tank Parallel with Sequential Backwash	1/8"	1/8"	1/8"
A151-86	E951-86	Filter, 2 Cycle, 6 Tank Parallel with Sequential Backwash	1/8"	1/8"	1/8"
A151-87	E951-87	Filter, 2 Cycle, 7 Tank Parallel with Sequential Backwash	1/8"	1/8"	1/8"

Please specify voltage requirement: 115VAC/50-60Hz or 230VAC/50-60Hz. Other voltages may be available, call for details.

A100 Series Models: Please specify 6-day or 7-day clock timer.

E Series Models: Optional Relay Output available (P/N QA-1077737); PWA Circuit Board and Key Pad Assembly available (P/N QA-1078458)

INDUSTRIAL VALVE CONTROLS



DIAPHRAGM VALVES & FLOW METERS FOR SOFTENERS & FILTERS

Aquamatic Diaphragm Series Valves



**K52 SERIES VALVE
(COMPOSITE)**



**K53 SERIES VALVE
(COMPOSITE)**



**V42 SERIES VALVE
(CAST IRON)**



**V46 SERIES VALVE
(STAINLESS STEEL)**

Model	Pipe Size		Flow Coefficient	
	Inches	Millimeters	Cv	Kv
K520	0.5	15	4.0	3.5
K521	1.0	25	15.0	13.0
K524	1.5 to 2.0	40 to 50	38.0	32.8
K526	2.5 to 3.0	65 to 80	100.0	86.5
K531	1.0	25	18.0	15.6
K534	1.5	40	46.0	39.8
K535	2.0	50	84.0	72.6
K537	3.0	80	200.0	173.0
V42B	0.75	20	11.4	9.8
V42C	1.0	25	12.8	11.1
V42D	1.25	32	26.5	22.9
V42E	1.5	40	32.5	28.1X
V42F	2.0	50	56.0	48.4X
V42G	2.0	50	68.0	58.8
V42H	2.5	65	84.0	72.7
V42J	3.0	80	134.0	116.0
V42K	4.0	100	275.0	238.0
V42L	6.0	150	680.0	588.0
V46C	1.0	25	14.0	12.1
V46E	1.5	40	33.0	28.5
V46F	2.0	50	54.0	47.0

Cv flow rate in gallons per minute of water at 60°F, 1 psi pressure drop.

Kv flow rate in cubic meters per hour of water at 15.5°C, 1 bar pressure drop.

Maximum Working Pressure: K52, K53 & V42 valves is 125 psi (8.6 bar). Threaded V46 valves is 250 psi (17 bar). Flanged V46 valves is 150 psi (10.3 bar).

Maximum Temperature: K52 & K53 valves is 140°F (60°C). V42 valves is 150°F (65°C). V46 valves is 250°F (120°C).

Autotrol Flow Meters

Part Number	Description	Flow Rate		
		Minimum	Maximum	Peak
UA-3023532	1 inch Turbine Meter with Stainless Steel NPT Adapters	0.25 gpm	35 gpm	40 gpm
UA-3023536	2 inch Turbine Meter with Stainless Steel NPT Adapters	2 gpm	170 gpm	250 gpm