



Sterling Series Controllers



Features:

- Four independent programs
- Up to four daily start times per program
- A Station can be assigned to two programs.
- Station timing adjustable from 1 minute to 24 hours in 1 minute increments
- Programmable watering calendar of 1 to 32 days
- Programmable 'OFF' time allows normal operation to be suspended for 1 to 7 days and then resume automatically
- "Water Budgeting" permits the timing of all stations within a program to be simultaneously increased or decreased in 1% increments through a range of 1% to 255%
- Programmable pause of 1 second to 59 seconds between stations and allow full valve closure before advancement to next station

Electrical Specifications

- Input: 120 VAC @ 50 or 60 Hz
- Output: 24 VAC @ 40 VA, 1.5 amp max

Technical Info. and Specifications

- Weatherproof metal case with lock and key
- Rechargeable Nicad battery
- Master valve/pump start circuit

ITEM	DESCRIPTION
32000100	PLUG-IN SUPERIOR TRANSFORMER
32000410	STERLING 4 SUPERIOR 4 STA CNTR
32000430	STERLING 8 SUPERIOR 8 STA CNTR
32000440	STERLING 12 SUPERIOR 12 STA CNT
32000450	STERLING 18 SUPERIOR 18 STA CNT
32000460	STERLING 24 SUPERIOR 24 STA CNT
32000470	STERLING 30 SUPERIOR 30 STA CNT
32000480	STERLING 36 SUPERIOR 36 STA CNT
32000600	STERLING PEDESTAL FOR 4-12 STA
32000610	STERLING PEDESTAL FOR 18-36 STA

Automatic Actuators Model 600



Designed to convert manual valves to automatic. 3/4" 600 fits 3/4" Champion brass manual valves. 1" 600 fits 1" Champion brass manual valves.

Features:

- Molded from heavy duty, high impact glass-reinforced nylon material
- 600 pound test nylon reinforced diaphragm guaranteed for 15 years
- Self cleaning, clog free design
- Flow control which will regulate the water from full on to completely off
- Slow closing, smooth operation
- Manual drain cock
- Can withstand high water pressure up to 150 psi

ITEM	DESCRIPTION
32000920	3/4 600 SUPERIOR PLASTIC ADPT
32000930	1 IN 600 SUPERIOR PLASTIC ADPT

Automatic Actuators Model 2000 - Brass



Primary Application

Designed specifically for tight fitting installations like curbs, walls and close manifolds.

Features:

- Solid brass construction
- Waterproof solenoid
- Manual drain cock

ITEM	DESCRIPTION
32001020	3/4 2000 SUPERIOR ADPT CHAMP
32001030	1 2000 SUPERIOR ADPT CHAMP

Remote Control Anti-Siphon Valve Model 850-DI



Primary Application

Ideal for drip irrigation. Low pressure, low flow and excessive back-pressure are conditions that often

impede the operation of a valve.

Features:

- Allows complete opening and closing on flows as low as 1 gph

ITEM	DESCRIPTION
32001420	850-DI 3/4 ANTI-SIPHON VALVE



Automatic Actuators Model 800 - Brass

Primary Application

Designed to convert manual sprinkler valves to automatic.

Available in all sizes from 3/4" through 3". (2-1/2"-3" are special order items.)

Features:

- Solid brass construction
- Waterproof solenoid coil, guaranteed for the life of the valve
- Open frame solenoid design eliminates the danger of corrosion when buried Also available with conduit housing
- Slow closing; this means no water hammer, surge or noise
- Manual operation in the event of power failure
- Flow Control
- Will operate on high pressure up to 200 psi

Electrical Specifications

- 24 VAC

ITEM	DESCRIPTION
32001120	800 3/4 SUPERIOR ADPT CHAMP
32001130	800 1 SUPERIOR ADPT CHAMPION
32001140	800 1-1/4 SUPERIOR ADPT CHAMP
32001150	800 1-1/2 SUPERIOR ADPT CHAMP
32001160	800 2 SUPERIOR ADPT CHAMPION
32001190	800EX 3/4 SUPERIOR EXT ADPT CH
32001192	800EX 1 SUPERIOR EXT ADPT CHAM
32001220	800 3/4 SUPERIOR ADPT GEE
32001230	800 1 SUPERIOR ADAP GEE/BUCKNR
32001240	800 1-1/4 SUPERIOR ADPT BUCKNR
32001250	800 1-1/2 SUPERIOR ADPT BUCKNR
32001260	800 2 SUPERIOR ADPT BUCKNER
32001320	800 3/4 SUPERIOR ADPT THOMPSON
32001330	800 1 SUPERIOR ADPT THOMPSON
32001340	800 1-1/4 SUPERIOR ADPT THMPSPN
32001350	800 1-1/2 SUPERIOR ADPT THMPSPN
32001360	800 2 SUPERIOR ADPT THOMPSON



Automatic Diaphragm Globe Valve Model 950, DW, DWPRS

Features:

Model 950

- Solid brass construction
- Waterproof solenoid coil, guaranteed for life of the valve
- Coil can be rotated 360° and removed without removing solenoid operation
- Slow closing; no water hammer, surge or noise
- Cross handle flow control
- Pressure rating - 200 psi

Model 950-DW

- DW valve is equipped with an internal self-flushing filter as well as a self-cleaning metering rod, so only "clean" water can enter the solenoid chamber
- Pressure rating - 200 psi

Model 950-DWPRS

- Designed to maintain constant outlet pressure regardless of variations in inlet pressure
- Pressure rating - 200 psi

Electrical Specifications:

- 24 VAC

ITEM	DESCRIPTION
32001620	950 3/4 SUPERIOR GLOBE VALVE
32001630	950 1 SUPERIOR GLOBE VALVE
32001640	950 1-1/4 SUPERIOR GLOBE VALVE
32001650	950 1-1/2 SUPERIOR GLOBE VALVE
32001660	950 2 SUPERIOR GLOBE VALVE
32001670	950 2-1/2 SUPERIOR GLOBE VALVE
32001680	950 3 SUPERIOR GLOBE VALVE
32001820	950-DW 3/4 SUPERIOR DW VALVE
32001830	950-DW 1 IN SUPERIOR DW VALVE
32001840	950-DW 1-1/4 SUPERIOR DW VALVE
32001850	950-DW 1-1/2 SUPERIOR DW VALVE
32001860	950-DW 2 IN SUPERIOR DW VALVE
32002020	950-DWPRS 3/4 PRES REG VALVE
32002030	950-DWPRS 1 PRES REG VALVE
32002040	950-DWPRS 1-1/4 PRES REG VALVE
32002050	950-DWPRS 1-1/2 PRES REG VALVE
32002060	950-DWPRS 2 PRES REG VALVE



Hydraulic Globe Valve Normally Open Model 100

Primary Application

Hydraulically-operated diaphragm valves are not susceptible to jamming, closing or sticking from sand or other foreign matter in the water.

Features:

- Constructed of non-corrosive stainless steel, brass, and synthetic rubber
- Normally open
- Positive closure - no seepage or leakage
- Low initial cost and lowest maintenance

ITEM	DESCRIPTION
32002430	100-NO 1 NORMAL OPEN HYD VALVE
32002450	100-NO 1-1/2 NORM OPEN HYD VLV
32002460	100-NO 2 NORMAL OPEN HYD VALVE

500 Series Conversion Modules

Any Superior 950, 800 or 4000 series electric valve can be converted to a hydraulic valve by simply replacing the valve's solenoid with either an NC-500 (normally closed) or NO-500 (normally open) module.



ITEM	DESCRIPTION
32002470	NO-500 N/O HYD CONTROL MODULE
32002480	NO-500 N/C HYD CONTROL MODULE



Model 3100 Normally Open Valve

The Model 3100 performs in the opposite manner of a normally closed electric valve with electricity required to close the valve rather than open it. During the time the solenoid is not energized, the Model 3100 will remain open.

FEATURES

- Normally open design
- Solid brass construction
- Water-proof solenoid coil, guaranteed for the life of the valve
- Self-cleaning orifice
- Diaphragm of one-piece molded construction with integral O-ring seal reinforced with 600 lb. test fabric
- Cross handle flow control standard on 1" through 3" sizes, optional on 3/4" size
- Slow closing; no water hammer, surge or noise
- Will operate on pressure up to 200 psi for 3/4" through 2" sizes and 150 psi for 2 1/2" and 3" sizes
- 24 VAC 3-way solenoid

ITEM	DESCRIPTION
32002830	3100-NO 1 NORMAL OPN GLB VALVE
32002840	3100-NO 1-1/4 NORM OPN GLB VLV
32002850	3100-NO 1-1/2 NORM OPN GLB VLV
32002860	3100-NO 2 NORMAL OPN GLB VALVE
32002870	3100-NO 2-1/2 NORM OPN GLB VLV
32002880	3100-NO 3 NORMAL OPN GLB VALVE



Model 4000 Reclaimed Water Valve

Primary Application

Automatic valve designed for maximum compatibility with all grades of reclaimed water.

Features:

- All rubber parts are made from specially selected peroxide cured compounds
- Teflon coating of 4000 series stainless steel solenoid parts
- Internal bleed valve

Electrical Specifications:

- 24 VAC

ITEM	DESCRIPTION
32003030	4000-1 RECLAIMED WATER VALVE
32003040	4000-1 1/4 RECLAIM WATER VALVE
32003050	4000-1-1/2 RECLAIM WATER VALVE
32003060	4000-2 RECLAIMED WATER VALVE

950 Flow Chart

Rate of Flow in Gallons Per Minute

	5	10	15	20	30	40	50	60	70	80	90	100	120	140	160	200
3/4	.45	1.75	4.0	7.0	15.5	23.0										
1	.16	.75	1.5	2.6	5.7	10.0	15.95	22.03								
1-1/4			.48	.85	1.9	3.5	5.30	7.60	10.1	14.82	17.54	21.18				
1-1/2				.45	1.0	1.7	2.65	3.80	5.1	6.60	8.30	10.09	14.82	19.03	23.12	
2						.53	.82	1.20	1.6	2.05	2.60	3.20	4.60	6.30	8.00	13.90