

Savana Water Treatment



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◀ BACK WITHOUT COVER

Product Features

- Suitable for large residential/light commercial applications
- Fully adjustable 5-cycle control delivers controlled upflow backwash, downflow brining and slow rinse, rapid rinse, timed brine refill and downflow service
- Backwash capacity handles tanks up to 24" diameter
- Choice of 7 or 12 day clock, manual or meter initiated regeneration
- Valve body is solid lead-free brass
- Hard water bypass feature is standard
- Time tested, hydraulically balanced piston, seal, and spacer concept to pilot service flow and regeneration

Options

- Backwash filter
- Hot water (time clock 180°F, meter 150°F)
- Meter initiated regeneration
- Manual operation
- Service valve operator
- No hard water bypass piston (downflow)
- Upflow models available with pressure regulated injector (specify 1600 or 1700 brine system)
- Electronic timer, SE, ET or Systemax
- Environmental cover
- Variable brining
- Auxiliary switch



Valve Specifications

Valve material	Lead-free brass*
Inlet/Outlet	1" NPTM
Cycles	5

Flow Rates (50 psi Inlet) - Valve Alone

Continuous (15 psi drop)	26 GPM
Peak (25 psi drop)	33 GPM
CV (flow at 1 psi drop)	6.8
Max. backwash (25 psi drop)	25 GPM

Regeneration

Downflow/Upflow	Both
Adjustable cycles	Yes
Time available	Electromechanical: 164 minutes SE: 0 - 99 minutes ET: 0 - 999.9 minutes Systemax: 0 - 999.9 minutes

Meter Information

Meter accuracy range	3/4" - .25 - 15 GPM +/- 5% 1" - 0.7 - 40 GPM +/- 5%
Meter capacity range (gal.)	Electromechanical: Standard: 310 - 5,270 Extended: 1,550 - 26,350 SE: 1 - 9,999 ET: 1 - 9,999,999 Systemax: 1 - 99,999,999

Dimensions

Distributor pilot	1.05" O.D. (0.75" pipe)
Drain line	3/4" NPTF
Brine line	3/8" & 1/2"
Mounting base	2-1/2" - 8 NPSM
Height from top of tank	6-1/2"

Typical Applications

Water softener	10"-24" diameter
Iron filter	10"-21" diameter
Sediment filter	10"-21" diameter
Carbon filter	10"-21" diameter
Neutralizing filter	10"-21" diameter

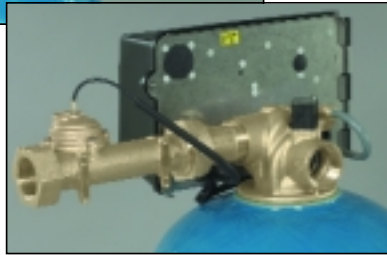
Additional Information

Injector brine system	3/8" - 1600, 3/8" - 1650, 1/2" - 1700
Electrical rating	24 v, 110 v, 220 v - 50 Hz, 60 Hz
Max VA	74
Estimated shipping weight	Time clock: 13 lbs. Metered valve: 26 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110° F

*As defined in the Safe Drinking Water Act.



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Product Features

- Fully adjustable 5-cycle control delivers controlled upflow backwash, downflow brining and slow rinse, rapid rinse, timed brine refill and downflow service
- Time-tested hydraulically balanced piston, seal and spacer design to pilot service flow and regeneration
- Solid lead-free brass valve body for superior strength and durability
- Backwash capacity handles tanks up to 30" diameter
- 1-1/2" top mount control valve ideal for smaller size commercial/industrial applications
- Consistent brining regardless of salt levels with timed brine refills
- Choice of 7 or 12 day clock, manual or meter
- Continuous flow rate of 51 GPM with a backwash of 49 GPM
- Ideal for filter applications

Options

- Meter initiated regeneration
- Backwash filter
- No hard water bypass piston
- Environmental cover
- Electronic timer, ET or Systemax
- Hot water (time clock 180°F; metered valve 150°F)
- Manual operation
- Service valve operator
- Auxiliary switch
- Side mount



Valve Specifications

Valve material	Lead-free brass*
Inlet/Outlet	1-1/2" NPTF
Cycles	5

Flow Rates (50 psi Inlet) - Valve Alone

Continuous (15 psi drop)	51 GPM side mount
Peak (25 psi drop)	66 GPM side mount
CV (flow at 1 psi drop)	13.2
Max. backwash (25 psi drop)	49 GPM

Regeneration

Downflow/Upflow	Downflow only
Adjustable cycles	Yes
Time available	Electromechanical: 164 minutes SE: 0 - 99 minutes ET: 0 - 999.9 minutes Systemax: 0 - 999.9 minutes

Meter Information

Meter accuracy range	0.7 - 40 GPM +/- 5% (1") 1.5 - 75 GPM +/- 5% (1-1/2")
Meter capacity range (gal.)	
1" Standard	310 - 5,270
1" Extended	1,150 - 26,350
1-1/2" Standard	625 - 10,625
1-1/2" Extended	3,125 - 53,125
ET	1 - 9,999,999
Systemax	1 - 99,999,999

Dimensions

Distributor pilot	1.9" O.D. (1.5" pipe)
Drain line	1" NPTM
Brine line	3/8" & 1/2"
Mounting base	4" - 8 UN
Height from top of tank	6-1/2"

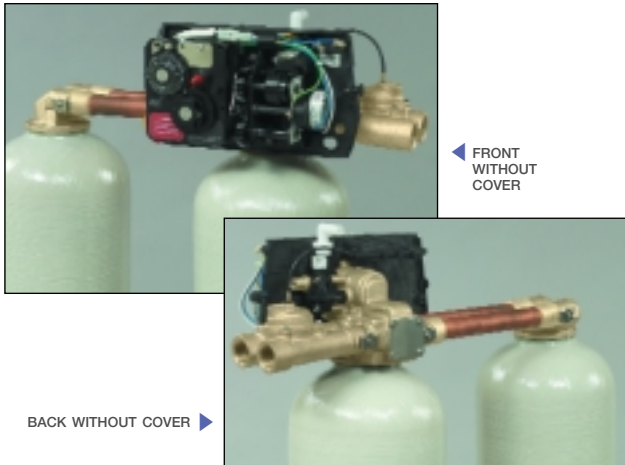
Typical Applications

Water softener	10"-30" diameter
Iron filter	10"-24" diameter
Sediment filter	10"-24" diameter
Carbon filter	10"-24" diameter
Neutralizing filter	10"-24" diameter

Additional Information

Injector brine system	3/8" - 1600, 3/8" - 1650, 1/2" - 1700
Electrical rating	24 v, 110 v, 220 v - 50 Hz, 60 Hz
Max VA	72
Estimated shipping weight	Time clock: 19 lbs. Metered valve: 27 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110° F

*As defined in the Safe Drinking Water Act.



Product Features

- Fully adjustable 5-cycle control delivers controlled upflow backwash, downflow brining, slow rinse, rapid rinse, timed brine refill and downflow service
- Perfect for light commercial/heavy residential systems that require twin tank conditioning capabilities
- Continuous flow rate of 21 GPM
- All cycles easily adjustable; program just what's needed with "all cycle" variable time control
- Backwash capacity handles tanks up to 16"
- Choice of 3/4" or 1" meter satisfies wide range of operational needs

Options

- Bypass valve (Noryl®* or lead-free brass**)
- Hot water (150° F max., 1" only)
- Electronic timer, SE or ET
- Window cover
- No hard water bypass
- Auxiliary switches



Valve Specifications

Valve material	Lead-free brass**
Inlet/Outlet	3/4", 1" or 1-1/4"
Cycles	5

Flow Rates (50 psi Inlet) - Valve Alone

Flow rate (50 psi inlet)	1" meter	3/4" meter
Continuous (15 psi drop)	21 GPM	18 GPM
Peak (25 psi drop)	28 GPM	24 GPM
CV (flow at 1 psi drop)	5.1	4.8
Max. backwash (25 psi drop)	8.5 GPM	8.5 GPM

Regeneration

Downflow/Upflow	Downflow only
Adjustable cycles	Yes
Time available	164 or 82 minutes

Meter Information

Meter accuracy range	
1"	0.7 - 40 GPM +/- 5%
3/4"	0.25 - 15 GPM +/- 5%
Meter capacity range (gal.)	
1"	Standard: 310 - 5,270 Extended: 1,550 - 26,350 SE: 1 - 9,999 ET: 1 - 9,999,999
3/4"	Standard: 125 - 2,125 Extended: 625 - 10,625 SE: 1 - 9,999 ET: 1 - 9,999,999

Dimensions

Distributor pilot	1.05" O.D.
Drain line	1/2" NPT
Brine line	1600 - 3/8"
Mounting base	2-1/2" - 8 NPSM
Height from top of tank	6-1/2"

Typical Applications

Water softener	6"-16" diameter
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Additional Information

Injector brine system	1600
Electrical rating	24 v, 110 v, 220 v - 50 Hz, 60 Hz
Max. VA	8.9
Estimated shipping weight	3/4" Metered valve: 19 lbs. 1" Metered valve: 23 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110° F

Approvals

WQA Gold Seal system	1.0 - 6.0 cu. ft.
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*Noryl is a registered trademark of General Electric Company.

**As defined in the Safe Drinking Water Act.





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Product Features

- Salt and water savings by using 100% capacity of the tank in service, before switching to the second tank
- Regenerates immediately when needed for continuous soft water
- Regenerates with soft water and keeps system clean for optimum operating efficiency and minimum maintenance
- Proven technology and performance
- Corrosion-free Noryl® valve body
- Innovative second tank quick connection
- No new moving parts

Options

- Noryl® or lead-free brass** Bypass valve
- Auxiliary switches
- 3200 mechanical timer, SE electronic timer
- 32 mm high flow distribution system



Valve Specifications

Valve material	Noryl®*
Inlet/Outlet	3/4", 1" or 1-1/4"
Cycles	6

Flow Rates (50 psi Inlet) - Valve With Meter

	3/4" meter	3/4" turbine	1" meter
Continuous (15 psi drop)	18.2	19.4	20.1
Peak (25 psi drop)	23.5	25.0	26.0
CV (flow at 1 psi drop)	4.7	5.0	5.2
Max. backwash (25 psi drop)	8.5	8.5	8.5

Regeneration

Downflow/Upflow	Downflow only
Adjustable cycles	Yes
Time available	3200 timer: 82 or 164 minutes total SE timer: 99 minutes/cycle

Meter Information

Meter accuracy range	3/4": 0.25 - 15 GPM +/- 5% 1": 0.7 - 40 GPM +/- 5%
Meter capacity range (gal.) 3/4"	Standard: 125 - 2,125 Extended: 625 - 10,625 SE: 1 - 9,999
1"	Standard: 310 - 5,270 Extended: 1,550 - 26,350 SE: 1 - 9,999

Dimensions

Distributor pilot	1.05" O.D. and 32 mm w/ adapter
Drain line	1/2" NPT
Brine line	1600 - 3/8"
Mounting base	2-1/2" - 8 NPSM
Height from top of tank	7.3"

Typical Applications

Water softener	6" - 16" diameter
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Additional Information

Injector brine system	1600
Electrical rating	24 v, 110 v, 220 v - 50 Hz, 60 Hz
Max VA	8.9
Estimated shipping weight	Mechanical valve: 14.5 lbs SE valve: 12.0 lbs
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110° F

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Product Features

- Easily adjustable 5-cycle downflow brining control
- Backwash capability handles up to 24" diameter tanks eliminating excessive, space wasting multiple tank installations
- Rugged long-life construction featuring lead-free brass valve body
- Total flexibility in meter and timer setting
- Satisfies operational needs from 310 to 53,125 gallons
- Uses conditioned water for regeneration

Options

- Sediment, carbon or neutralizing filter
- Hot water (150° F)
- Electronic timer, ET

Valve Specifications

Valve material	Lead-free brass*
Inlet/Outlet	1-1/2" NPTF
Cycles	5

Flow Rates (50 psi Inlet) - Valve Alone

Continuous (15 psi drop)	43 GPM
Peak (25 psi drop)	55 GPM
CV (flow at 1 psi drop)	11.1
Max. backwash (25 psi drop)	16 GPM

Regeneration

Downflow/Upflow	Downflow only
Adjustable cycles	Yes
Time available	Electromechanical: 82 or 164 minutes ET: 0 - 999.9 minutes

Meter Information

Meter accuracy range - 1-1/2"	1-1/2" 1.5 - 75 GPM
Meter capacity range - 1-1/2" (gal.)	Standard: 625 - 10,625 Extended: 3,125 - 53,125 ET: 1 - 9,999,999

Dimensions

Distributor pilot	1.9" O.D. (1.5" pipe)
Drain line	1" NPTM
Brine line	1/2" & 3/8"
Mounting base	4" - 8 UN
Height from top of tank	7-1/4"

Typical Applications

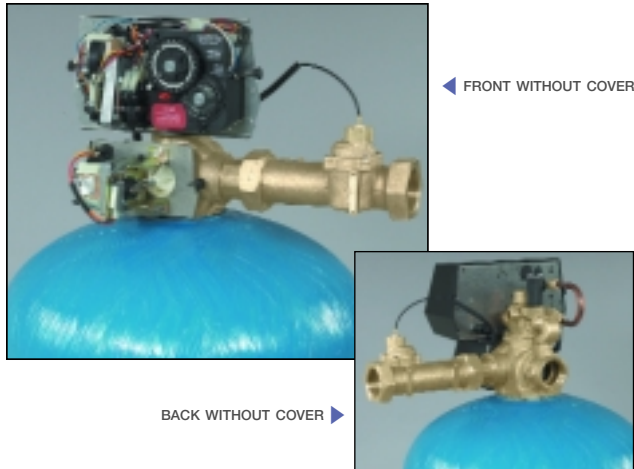
Water softener	10"-24" diameter
Iron filter	N/A
Sediment filter	14" diameter
Carbon filter	14" diameter
Neutralizing filter	14" diameter

Additional Information

Injector brine system	3/8" - 1600, 3/8" - 1700
Electrical rating	24 v, 110 v, 220 v - 50 Hz, 60 Hz
Max VA	8.9
Estimated shipping weight	Time clock: 45 lbs. Metered valve: 48 lbs.
Pressure	Hydrostatic: 300 psi Working: 25 - 125 psi
Temperature	34° - 110°F

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Product Features

- Incorporates 2 time-tested hydraulically balanced pistons to independently pilot service flow and regeneration
- Brings great performance and versatility to commercial/industrial applications
- For use with the single or multiple tank systems
- Backwashes softener tanks up to 30" diameter
- Continuous flow rate of 106 GPM
- Available with 7 or 12 day timer or meter to control regeneration
- Lead-free brass valve body for superior strength and durability
- No hard water bypass piston

Options

- Backwash filter
- Meter initiated regeneration
- No hard water bypass piston
- Electronic timer, ET or Systemax
- Service valve operator
- Auxiliary switches
- Hot water (time clock 180°F; metered valve 150°F)
- Manual operation
- Environmental cover
- Upflow regeneration
- Side mount



Valve Specifications

Valve material	Lead-free brass*
Inlet/Outlet	2"
Cycles	5

Flow Rates (50 psi Inlet) - Valve Alone

Continuous (15 psi drop)	106 GPM side mount
Peak (25 psi drop)	140 GPM side mount
CV (flow at 1 psi drop)	27.5
Max. backwash (25 psi drop)	25 GPM

Regeneration

Downflow/Upflow	Both
Adjustable cycles	Yes
Time available	Electromechanical: 164 minutes ET: 1 - 999.9 minutes Systemax: 0 - 999.9 minutes

Meter Information

Meter accuracy range	3-150 GPM +/- 5%
Meter capacity range (gal.)	Standard: 1,250 - 21,250 Extended: 6,250 - 106,250 ET: 0 - 9,999,999 Systemax: 1 - 99,999,999

Dimensions

Distributor pilot	1.9" pipe O.D. (1.5" pipe)
Drain line	3/4" NPTM
Brine line	3/8" & 1/2"
Mounting base	4" - 8 UN
Height from top of tank	12"

Typical Applications

Water softener	14"-30" diameter
Iron filter	14"-21" diameter
Sediment filter	14"-21" diameter
Carbon filter	14"-21" diameter
Neutralizing filter	14"-21" diameter

Additional Information

Injector brine system	3/8" - 1600, 3/8" - 1650, 1/2" - 170
Electrical rating	24 v, 110 v, 220 v - 50 Hz, 60 Hz
Max. VA	143
Estimated shipping weight	Time clock: 33 lbs. Metered valve: 40 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110° F

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Product Features

- Fully adjustable 5-cycle control is efficient and reliable; delivers controlled upflow backwash, downflow brining and downflow service
- Versatile top or side mounting suitable for commercial or industrial applications
- Backwash capacity accommodates tanks up to 60" diameter
- Solid lead-free brass construction for superior strength and durability
- Protective NEMA 3R equivalent enclosure is water resistant, rain tight, corrosion resistant and UV stable
- Flexible 7 or 12 day time clock or meter initiated regeneration

Options

- Backwash filter
- Meter initiated regeneration
- Service valve operator
- Side mount
- Electronic timer, ET or Systemax
- Hot water (time clock 180°F; metered valve 150°F)
- Manual operation
- No hard water bypass piston
- Upflow regeneration
- Auxiliary switch



Valve Specifications

Valve material	Lead-free brass*
Inlet/Outlet	2" NPTF
Cycles	5

Flow Rates (50 psi Inlet) - Valve Alone

Flow rate (50 psi inlet)	Top mount	Side mount
Continuous (15 psi drop)	95 GPM	100 GPM
Peak (25 psi drop)	124 GPM	129 GPM
CV (flow at 1 psi drop)	24.8	25.9
Max. backwash (25 psi drop)	105 GPM	109 GPM

Regeneration

Downflow/Upflow	Both
Adjustable cycles	Yes
Time available	Electromechanical: 164 minutes ET: 0 - 999.9 minutes Systemax: 0 - 999.9 minutes

Meter Information

Meter accuracy range	3 - 150 GPM +/- 5%
Meter capacity range (gal.)	Standard: 1,250 - 21,250 Extended: 6,250 - 106,250 ET: 1 - 9,999,999 Systemax: 1 - 99,999,999

Dimensions

Distributor pilot	2.375" O.D. (2" pipe)
Drain line	2" NPTF
Brine line	1" NPTM
Mounting base	Top mount: 4" - 8 UN
Height from top of tank	10"

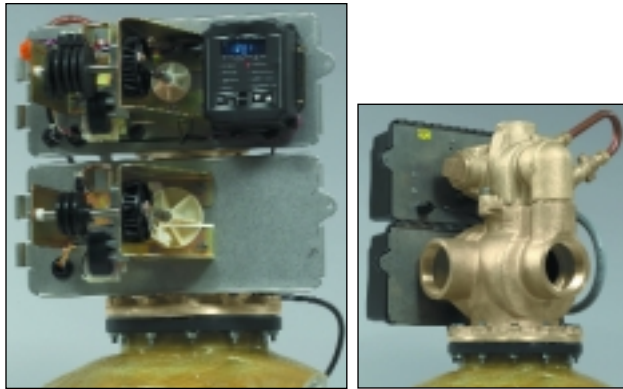
Typical Applications

Water softener	24"-63" diameter
Iron filter	24"-42" diameter
Sediment filter	24"-42" diameter
Carbon filter	24"-42" diameter
Neutralizing filter	24"-42" diameter

Additional Information

Injector brine system	1" - 1800
Electrical rating	24 v, 110 v - 50 Hz, 60 Hz
Max VA	87
Estimated shipping weight	Time clock: 39 lbs. Metered valve: 46 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110° F

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Product Features

- Fully adjustable 5-cycle control delivers controlled upflow backwash, downflow brining, slow rinse, rapid rinse and downflow service
- Designed for single tank or multi-tank systems, alternating or interlocking
- Continuous flow rate of 250 GPM
- Protective NEMA 3R enclosure is water resistant, rain tight, corrosion resistant and UV stable
- Operational no hard water bypass during regeneration
- Choice of 7 or 12 day clock or meter initiated regeneration
- No hard water bypass

Options

- Backwash filter
- Meter initiated regeneration
- Upflow regeneration
- Electronic timer, ET or Systemax
- Service valve operator
- Auxiliary switches
- Side mount



Valve Specifications

Valve material	Lead-free brass*
Inlet/Outlet	3" NPT
Cycles	5

Flow Rates (50 psi Inlet) - Valve Alone

Flow rate (50 psi inlet)	Top mount
Continuous (15 psi drop)	250 GPM
Peak (25 psi drop)	325 GPM
CV (flow at 1 psi drop)	65
Max. backwash (25 psi drop)	100 GPM

Regeneration

Downflow/Upflow	Both
Adjustable cycles	Yes
Time available	Electromechanical: 164 minutes ET: 0 - 999.9 minutes Systemax: 0 - 999.9 minutes

Meter Information

Meter accuracy range	7 - 300 GPM +/- 5%
Meter capacity range (gal.)	Standard: 3,750-63,750 Extended: 18,750-318,750 ET: 1 - 9,999,999 Systemax: 1 - 99,999,999

Dimensions

Distributor pilot	3.5" O.D. (3" pipe)
Drain line	2" NPTF
Brine line	1" NPTM
Mounting base	Top: 6"-8 threaded or flanged
Height from top of tank	15"

Typical Applications

Water softener	24"-63" diameter
Iron filter	24"-42" diameter
Sediment filter	24"-42" diameter
Carbon filter	24"-42" diameter
Neutralizing filter	24"-42" diameter

Additional Information

Injector brine system	1" - 1800
Electrical rating	24 v, 110 v, 220 v - 50 Hz, 60 Hz
Max VA	171
Estimated shipping weight	Time clock: 93 lbs. Metered valve: 115 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110° F

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