

Industrial / Commercial Dual Parallel Tank Interlock Metered Water Softeners



Capacities from 200,000 - 1,200,000 grains per tank

136 - 560 gallons per minute

Dual Interlock Water Softeners are designed and manufactured for high flow rates and uninterrupted service. Both softening tanks will be in parallel service. All brass control valve, composite mineral tanks polyethylene liner, polyethylene brine tank, and high-quality polystyrene resin are manufactured for dependable operation. Regenerations are initiated when a preset volume of water passes through the water meter. Each control valve is equipped with a water meter and fully-adjustable controls. When a meter zeros out, the system places the exhausted tank into regeneration. An interlock will prevent the second tank from simultaneous regeneration. Electronic timer, as shown above, and hard water bypass are available as options. All wetted components are NSF 61 compliant.

ADVANCED **WATER** SOLUTIONS SINCE 1939


Dayton Water Systems
Advanced Solutions Since 1939

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Product Information

Flow Rates between 136 – 168 gpm, 2", 10 to 30 cu ft,
Fleck 2900 & 3150 valves with System 5 controls

Model Number	DS302-5	DS452-5	DS662-5	DS902-5
Max Capacity (grains)(per tank)	300,000	450,000	660,000	900,000
Min Capacity (grains)(per tank)	200,000	300,000	440,000	600,000
Resin (cubic feet)(per tank)	10	15	22	30
Salt Req'd Max Capacity (lbs)	150	225	330	450
Salt Req'd Min Capacity (lbs)	60	90	132	180
Mineral Tank Size (inches)	24x72	30x72	36x72	42x72
Brine Tank Size (inches)	30x50	30x50	50x60	50x60
Salt Storage Capacity	1,720	1,720	4,500	4,500
Service Flow Rate (cont)(gpm)*	136	168	156	168
Service Flow Rate (peak)(gpm)*	182	210	214	236
Min Service Flow Rate (gpm)**	20	30	44	60
Drain Flow Rate (max)(gpm)	15	25	35	50
Valve Pipe Size	2"	2"	2"	2"

Standard Range Meter: 1,250 – 21,250 gals. Extended Range Meter: 6,250 – 106,250 gals.

Flow Rates between 370 - 426 gpm, 3", 22 to 40 cu ft,
Fleck 3900 valve with System 5 controls

Model Number	DS663-5	DS903-5	DS123-5
Max Capacity (grains)(per tank)	660,000	900,000	1,200,000
Min Capacity (grains)(per tank)	440,000	600,000	800,000
Resin (cubic feet) (per tank)	22	30	40
Salt Req'd Max Capacity (lbs)	330	450	600
Salt Req'd Min Capacity (lbs)	132	180	240
Mineral Tank Size (inches)	36x72	42x72	48x72
Brine Tank Size (inches)	50x60	50x60	50x60
Salt Storage Capacity	4,500	4,500	4,500
Service Flow Rate (cont)(gpm)*	370	400	426
Service Flow Rate (peak)(gpm)*	500	536	560
Min Service Flow Rate (gpm)**	22	30	40
Drain Flow Rate (max)(gpm)	35	50	70
Valve Pipe Size	3"	3"	3"

Standard Range Meter: 3,750 – 63,750 gals. Extended Range Meter: 18,750 – 318,750 gals.

*NOTE: Flow rates are ½ specified when system is in regeneration.

**NOTE: Hardness breakthrough may result if minimum flow rates are not met.

OPERATING REQUIREMENTS:

Pressure:	25 psi – 125 psi
Temperature:	35°F - 100°F
Electrical:	120/60, 5 amps
Turbidity:	5 NTU Max
Chlorine:	1 ppm Max
Iron:	2 ppm Max

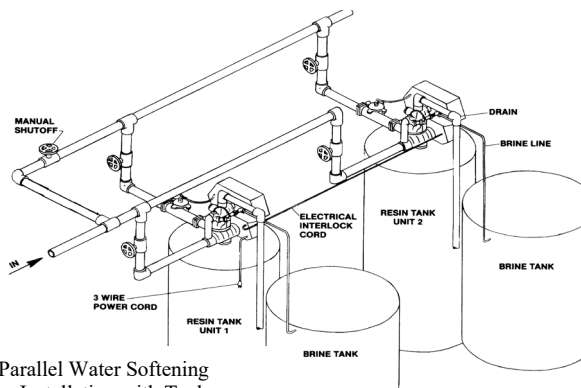
NOTES:

Capacity is based on manufacturer's data at service flow rates specified and free of color, oil and turbidity.

<15 psi drop at continuous flow rate.

<25 psi drop at peak flow rate.

Use minimum capacity when sizing units.



Dual Parallel Water Softening System Installation with Tank Interlock

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