

Industrial / Commercial Twin Alternating Water Softeners "Continuous Soft Water"



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

68 - 280 gallons per minute

Twin Alternating Water Softeners are designed and manufactured for uninterrupted dependable service with flow rates over 35 gpm. One softening tank will always be in service while the second is in regeneration or stand-by. All brass valves, fiberglass mineral tanks, polyethylene brine tank, and high-quality polystyrene resin are manufactured for consistent, reliable operation. Regenerations are initiated when a preset volume of water passes through the water meter. One water meter is installed on the soft water line and has fully-adjustable controls. When the meter zeros out, the system switches to the stand-by tank and the exhausted tank is placed into regeneration. No hard water bypasses the water softener system during regeneration, resulting in "continuous" soft water. Electronic timer, as shown above, is available as an option

ADVANCED **WATER** SOLUTIONS SINCE 1939



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Product Information

*Flow Rates between 68 – 84 gpm, 2", 10 to 30 cu ft,
Fleck 2900 & 3150 valves with System 7 controls*

| Model Number | DS302-7 | DS452-7 | DS662-7 | DS902-7 |
|---------------------------------|---------|---------|---------|---------|
| 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(lbs) | 1,720 | 1,720 | 4,500 | 4,500 |
| Service Flow Rate (cont)(gpm) | 68 | 84 | 78 | 84 |
| Service Flow Rate (peak)(gpm) | 91 | 105 | 107 | 118 |
| Min Service Flow Rate (gpm)** | 10 | 15 | 22 | 30 |
| 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 185 – 213 gpm, 3", 22 to 40 cu ft,
Fleck 3900 valve with System 7 controls*

| Model Number | DS663-7 | DS903-7 | DS123-7 |
|----------------------------------|---------|---------|-----------|
| 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) | 185 | 200 | 213 |
| Service Flow Rate (peak)(gpm) | 250 | 268 | 280 |
| 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:** 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 |

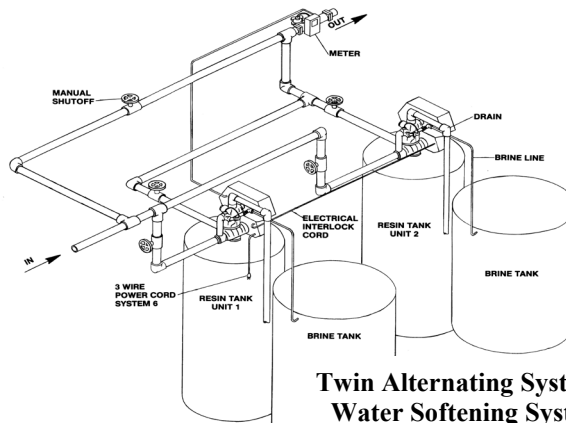
NOTES:

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.



**Twin Alternating System 7
Water Softening System
Installation**

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