

## Industrial Water Softening *Dual Alternating Tank – Ion Exchange System*

**Humidification Water Pretreatment to Eliminate Water Hardness for Control Against Mineral Buildup**

- 15 gpm/60,000 Grain Capacity
- Dual Alternating Tanks
- Continuous Service

### 1.0 PERFORMANCE SPECIFICATIONS

1.1 Service Flow	15gpm
1.2 Peak Flow	19gpm
1.3 Backwash Flow	3.92gpm
1.4 Service Pressure Drop	8psi
1.5 Peak Flow Pressure Drop	15 psi
1.6 Operating Temperature	40-100 F
1.7 Min. Inlet Pressure	40 psi
1.8 Max. Operating Pressure	100 psi
1.9 Media: Cation Ex Resin	2ft /tank
1.10 Capacity per tank	60,000 Grains
1.11 Salt Usage per Reg.	15lb
1.12 Brine Tank Capacity (dry)	200lb per tank
1.13 Backwash water use	39.25 gal
1.14 Brine/Slow Rinse	135.0
1.15 Rinse Water Use (gal.)	22.5
1.16 Regeneration Cycle Time	90 Min

### 2.0 MATERIALS OF CONSTRUCTION

2.1 Media Vessel HDPE,	Composite
2.2 Control Valve	Fleck 9000
2.3 Controller	N/A
2.4 Control Method	Mechanical Meter
2.5 Flow Meter	3/4" / Turbine
2.6 Regeneration	Volume

### 3.0 ELECTRICAL/PLUMBING/DIMENSIONS

3.1 Inlet Connections	3/4"
3.2 Outlet Connection	3/4"
3.3 Drain Connection	1/2"
3.4 Brine Tank connection	3/8"
3.5 Power Requirement	120v/1/60
3.6 Weight (dry)	150lb
3.7 Brine Tank	18" x 30"
3.8 Twin Tanks	12" dia x 52" h
3.9 Overall Height	65"



**Industrial Water Softening  
by Crane Environmental [www.cranenv.com](http://www.cranenv.com)**



**Operation:** Decreases water hardness via ion exchange of dissolved calcium ions for sodium or potassium ions to eliminate water hardness – includes auto backwash, regeneration, & rinse cycles.