# Softener Product Data Sheet

## Automatic Water Conditioning Systems

## 3900 Series

**Standard Features:**
Fleck 3900 Lead-Free Brass Valve
3" Female Inlet/Outlet Connections (FNPT)
Motor-Driven Piston-Operated
Premium Grade Softening Media
Fiberglass Resin Tanks
Seamless Brine Tank
NXT Control
Metered Regeneration

## Product Specifications

| Model | Flow Rates [1] (gpm) | | | Resin [2] | Exchange Capacity [3] (grains) | | Tank Dimensions Nominal (in) | | Salt Storage |
|---|---|---|---|---|---|---|---|---|---|
| | Service | Peak | Backwash | (cu ft) | Min | Max | Media | Brine | (lbs) |
| AWS 0300 FM 3900 NXT DA | 80 | 110 | 15 | 10 | 200,000 | 300,000 | 24 x 72 | 39 x 48 | 2,200 |
| AWS 0450 FM 3900 NXT DA | 115 | 150 | 25 | 15 | 300,000 | 450,000 | 30 x 72 | 39 x 48 | 2,200 |
| AWS 0600 FM 3900 NXT DA | 160 | 210 | 35 | 20 | 400,000 | 600,000 | 36 x 72 | 50 x 60 | 4,500 |
| AWS 0900 FM 3900 NXT DA | 185 | 245 | 50 | 30 | 600,000 | 900,000 | 42 x 72 | 50 x 60 | 4,500 |
| AWS 0120 FM 3900 NXT DA | 200 | 265 | 65 | 40 | 800,000 | 1,200,000 | 48 x 72 | 50 x 60 | 4,500 |

(1) - Service flow rate at a pressure drop of 15 psi, Peak flow rate at a presure of 25 psi. (2) - Resin volume per media tank. (3) - Exchange capacity per media tank at 6 lbs./cu.ft. (min) and 15 lbs./cu.ft. (max) salt dose. Exchange capacity is based on resin manufacturer's published data and is dependent on feed water TDS, flow rate and other factors.

## Operating Specifications

| | | |
|---|---|---|
| Water Temperature | Minimum 35°F | Max 120°F |
| Pressure Range | Minimum 30 psi | Max 120 psi |
| Electrical Requirements | 120 VAC Standard Outlet | |

## Optional Features

Pressure Gauges — ASME Code Vessels
Sample Valves — BrineRite Salt Saver
Skid Mounted Pre Plumbed/Pre Wired

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AWS All Water Systems Inc. WATER TECHNOLOGIES

All Water Systems, Inc
1475 Airbrake Avenue
Turtle Creek, PA 15145
412-824-6560 · 412-824-6573 (fax)
www.allwatersystems.com · sales@allwatersystems.com