

# Luxury Water

## 3900 SERIES 3"

**MAKING WATER SOFT FOR OVER 30 YEARS  
NOTHING BEATS THE FEEL OF LUXURY**



3900 SERIES

### THE AUTOMATIC WATER CONDITIONER THAT GIVES YOU MORE! 3" Commercial/Industrial Water Conditioning Control

- Versatile, adjustable regeneration cycles. Variable time control on each cycle.
- 7/12 day clock or meter initiated.
- Designed for single tank or multi-tank systems, alternating or interlock. \*See reverse side for packages.
- Excellent flow rates – up to 280 gpm.
- Protective NEMA 3R enclosure is water resistant, rain tight, corrosion resistant and UV stable.
- Optional no hard water bypass during regeneration.

Models		FC-300-3900	FC-450-3900	FC-600-3900	FC-900-3900	FC-1200-3900
<b>Model Specifications</b>						
Exchange Capacity Grain @ lbs. Salt	MIN <sup>1</sup> MED <sup>2</sup> MAX <sup>3</sup>	200,000 @ 60 240,000 @ 80 300,000 @ 150	300,000 @ 90 360,000 @ 120 450,000 @ 225	400,000 @ 120 480,000 @ 160 600,000 @ 300	600,000 @ 180 720,000 @ 240 900,000 @ 450	800,000 @ 240 960,000 @ 320 1,200,000 @ 600
Resin (Cu. Ft.)		10.0	15.0	20.0	30.0	40.0
Mineral Tank (inches)		24 x 72	30 x 72	36 x 72	42 x 72	48 x 72
Overall Height w/valve <sup>4</sup> (inches)		104	104	106	110	108
Brine Tank Size (inches)		24 x 54	30 x 60	39 x 48	42 x 60	50 x 60
Salt Storage (lbs.)		700	1000	1200	2500	3000
Pipe Size (inches)		3	3	3	3	3
Flow Rate (GPM)	Cont 15 PSI Peak 25 PSI	120 170	158 212	185 250	200 268	213 280
Backwash Rate (GPM)		15	25	35	50	70
Gravel (lbs.)	1/4 x 1/8/#20	100/100	200/100	300/200	350/150	400/200

<sup>1</sup> Figures based on 6# salt per cu. ft.

<sup>2</sup> Figures based on 8# salt per cu. ft.

<sup>3</sup> Figures based on 15# salt per cu. ft.

<sup>4</sup> Requires additional clearance for drain connection.

**SOLD BY:**

**PRODUCTS OF**



# ECONOMINDER DEMAND REGENERATION METER PACKAGES

## General meter applications

A metered softener is the most efficient method of monitoring water usage and initiating timely regenerations. Average to extreme water hardness indicates the use of standard range meter. Lower than average water hardness indicates the use of an extended range meter.

Remote Reset meters, although available for any commercial/industrial installation, are generally used to signal regenerations on series or alternating multiple tank systems.

## Commercial/Industrial Applications

### System 4

(Single Tank with Meter Control)

**Delayed Regeneration:** When meter zeros out, unit remains in service until 2:00 a.m.; then regenerates automatically.

**Immediate Regeneration:** When meter zeros out, unit goes immediately into regeneration.

### System 5-Interlock

(Two or More Tanks with Metered Control)

All units in service at the same time. When one meter zeros out, that unit starts regeneration. Other units remain in service even if they zero out during this time.

### System 6-Series

(Two or More Tanks with Controls, One Remote Reset Meter)

All units in service at the same time. The Remote Reset meter monitors the entire system's capacity. When meter zeros out, the "lead" unit regenerates. Upon returning to service, subsequent units regenerate as needed.

### System 7-Alternating

(Two or More Tanks with Controls, One Remote Reset Meter)

One unit is on stand-by and all other units are in service. When meter zeros out, the stand-by unit goes into service, and one of the units in service goes into a regeneration cycle.

## Remote Reset Meter Options

Remote Reset meter options include immediate or delayed regeneration, and standard or extended range.

**All systems available with 3200 ET Electronic Timers.**

## Meter Specifications

METER SIZE	ACCURACY ( $\pm 5\%$ ) RANGE (gpm)	C <sub>v</sub>	CAPACITY RANGE STANDARD (gals)	CAPACITY RANGE EXTENDED (gals)
2" In-line or Remote Reset	3 - 150	70	1,250 - 21,250	6,250 - 106,250
3" In-line or Remote Reset	7 - 300	135	3,750 - 63,750	18,750 - 318,750

Capacity range on electronic meters is 1 - 9,999,999 (gals).

METER	STYLE	MATERIAL	PLUMBING CONNECTIONS
2"	2900/3150	Lead Free Brass	Inlet-Male NPT with Union Outlet-Female NPT
3"	3900	Lead Free Brass	Inlet/Outlet-Male NPT with Union