

# Meters

A metered softener is the most efficient method of monitoring water usage and initiating timely regenerations. It can result in salt savings.

Average to extreme water hardness indicates the use of a standard range meter, while lower than average water hardness indicates the use of an extended range meter.

- Demand regeneration yields benefits on virtually any system. Available in sizes from 3/4" to 3", including standard or extended range as well as Remote Reset meters. Econominder controls can be used with single or multiple tank softeners with application ranges from 125 to 63,750 gallons (standard range), and 625 to 318,750 (extended range) requiring immediate or delayed regeneration.
- Made of lead-free brass or tough, corrosion-resistant Noryl®\* to provide dependable service.
- Simple and sound mechanical design has only one instream moving part - the meter impeller. Flow accuracy range is +/- 5% from 0.25-300 GPM. Cv range is 6.8-135 GPM.
- Water flow drives mechanics - meter registers even during power outages.
- Meter is on conditioned water.

## Residential Applications

Residential applications include those households with large volume water usage, increasing or decreasing water usage or situations demanding soft water 100% of the time.



## 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 to five 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 to five 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 to five 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 Meters

Remote Reset meters, although available for any commercial/industrial installation, are generally used to signal regenerations on series or alternating multiple tank systems. Remote Reset meter options include immediate or delayed regeneration, and standard or extended range.

Inlet/Outlet	Max. Flow Rate	Pressure Drop @ Max. Flow Rate	Accuracy Range +/- 5%	Standard Range	Extended Range	Cv	Valve Compatibility
3/4"	15 GPM	4.9 psi	.25 - 15 GPM	125 - 2,125 gal.	625 - 10,625 gal.	6.8	1500, 2500, 2700, 5000, 5600, 6600, 6700, 8500, 9000
3/4" turbine	15 GPM	2.3 psi	.25 - 15 GPM	1 - 9,999,999 gal.	N/A	10	5600SE, 6700, TwinFlo100
1"	40 GPM	5.0 psi	.7 - 40 GPM	310 - 5,270 gal.	1,550 - 26,350 gal.	18	2750, 9000
1 1/2"	75 GPM	5.0 psi	1.5 - 75 GPM	625 - 10,625 gal.	3,125 - 53,125 gal.	36	2850, 9500
2"	150 GPM	4.6 psi	3.0 - 150 GPM	1,250 - 21,250 gal.	6,250 - 106,250 gal.	70	2900, 3150
3"	300 GPM	5.0 psi	7.0 - 300 GPM	3,750 - 63,750 gal.	18,750 - 318,750 gal.	100	3900