



# High Performance Water Softeners

Unit flow rates from 85 to 1400 gpm

## Standard Features

- Designed for heavy industrial applications
- Pre-engineered and pre-assembled units
- AB Micrologix PLC in Nema 4 enclosure
- Maple Systems operator interface
- Flow indication-totalization, alarms
- Steel pressure vessels at 100-psig rating
- Tank interiors sandblasted and epoxy lined
- Tank exteriors sandblasted and epoxy coated
- Structural steel legs for rigid and safe support
- PVC distribution
- Schedule 80 PVC piping manifolds
- Cast iron body butterfly valves with aluminum bronze discs, double acting pneumatic actuators
- Inlet/outlet pressure gauges & sample valves
- High capacity SAC exchange resin
- Educted brine systems (thru 300 gpm units)



## Standard Options

- Interconnecting piping for multiple units
- ASME code pressure vessels
- Skid mounting on structural steel frame
- Welded Sch 40, Carbon Steel manifold piping
- Welded Sch 10, 316 SS manifold piping
- Media trap
- Nema 4X enclosure
- Hardness analyzer
- Pumped brine systems



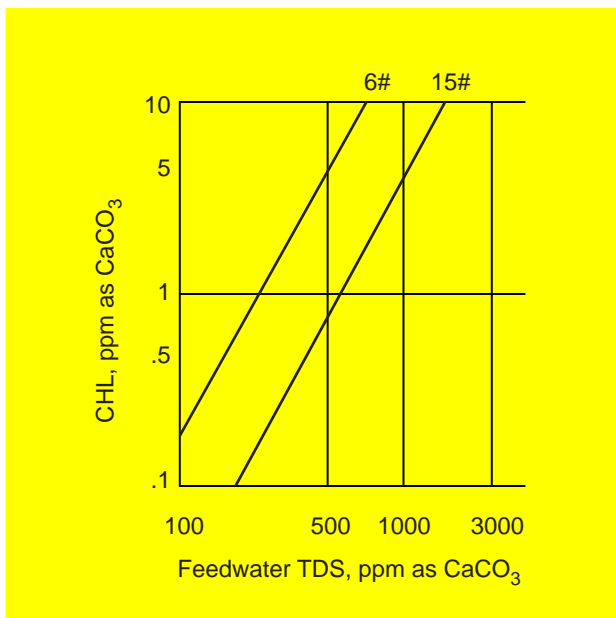
## SOFTENER SPECIFICATIONS

Model	Flow Rates in GPM		Exchange Capacity*		Tank Size, inches	Resin	Pipe Size
	No.	Service	Backwash	@ 6 lbs	@ 15 lbs	Diameter x SS	cu ft
AS-636	85	42	480	720	36 x 60	24	2
AS-642	115	56	650	975	42 x 60	32.5	2.5
AS-648	150	75	860	1290	48 x 60	43	3
AS-654	190	95	1090	1635	54 x 60	54.5	3
AS-660	235	115	1350	2025	60 x 60	67.5	4
AS-666	280	140	1440	2160	66 x 60	72	4
AS-936	130	42	750	1125	36 x 96	37.5	2.5
AS-942	180	56	1030	1545	42 x 96	51.5	3
AS-948	235	75	1350	2025	48 x 96	67.5	4
AS-954	300	95	1710	2565	54 x 96	85.5	4
AS-960	370	115	2120	3180	60 x 96	106	4
AS-966	420	140	2380	3570	66 x 96	119	6
AS-972	500	160	2840	4260	72 x 96	142	6
AS-984	700	225	3880	5820	84 x 96	194	6
AS-996	900	300	5080	7620	96 x 96	254	8
AS-9108	1100	375	6500	8125	108 x 96	325	8
AS-9120	1400	465	8000	10000	120 x 96	400	8

\* Kilograins of hardness removed ( $\text{CaCO}_3$  equivalents) at regeneration levels of 6 and 15 lbs NaCl per  $\text{ft}^3$  of resin.

\*\* Continuous Hardness Leakage may be affected by various feedwater and operating conditions.

### Continuous Hardness Leakage\*\*



### Custom Engineered Equipment

ISS can custom engineer and manufacture any size water softener to meet the varied and specific requirements of industrial, municipal, and agricultural applications.

Please call us if you need a customized water softener or water softening system designed with special vessel type or size or material, interior lining, exterior coating, piping material, valve type, instrumentation package, system type or configuration.

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