



GOSHU KOHSAN CO., LTD.
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Softener Unit : AS Type

“Hardness Removal with Automatic Water Softener Unit”

Introduction

Since a softened water or so called conditioned water brings numerous savings on substances and energy in the application for industries, restaurant, laundry, household and others. AS type softener unit with automatic system under programmable logic controller has been offered to reduce efficiently the hardness content in raw water. In addition, the softener unit is a compact package unit that is composed of strongly cation resin column and chemical feeding unit.

Features

- ❖ Produce high quality of softened water with hardness content of less than or equal to 5 ppm as CaCO_3
- ❖ Easy and simple operation with automatic pneumatic valve
- ❖ Control automatic regeneration procedure with programmable logic controller
- ❖ Lining with rubber inside the resin column for corrosive prevention
- ❖ Use high grade of cation resin

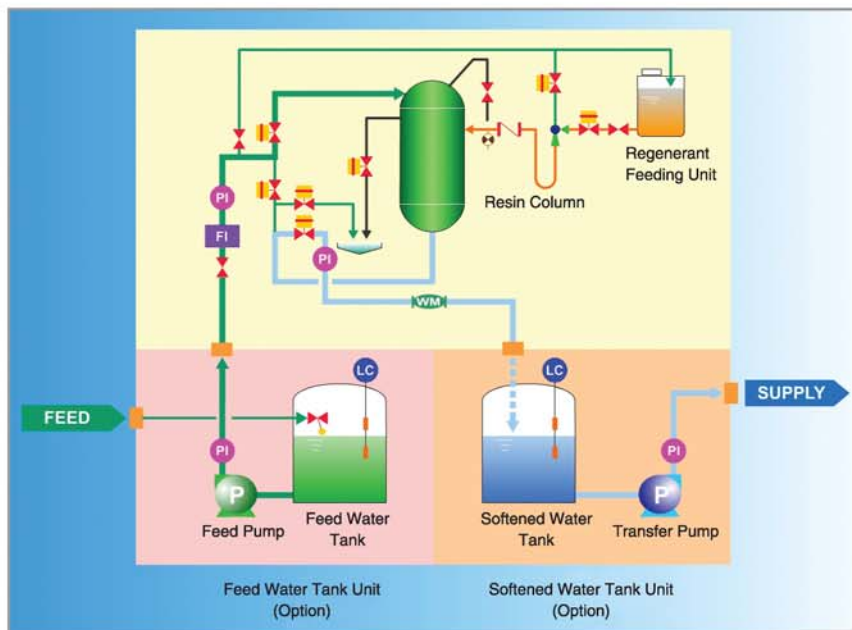
Benefits

1. Good quality of potable water
 2. Minimize the hardness scale on reverse osmosis membrane
 3. Minimize the build up of hardness deposits on appliances and plumbing systems
 4. Prevent the soap curd trapped in the fibers of clothes
 5. Get rid of stains and spots on glassware and dishes
 6. Eliminate sticky scum of soap on skin and hair
 7. Others
- ❖ Extend the RO membrane life
 - ❖ Increase efficiency and extend the life of water heaters and plumbing systems
 - ❖ Reduce energy cost of water heater
 - ❖ Less detergent needed
 - ❖ Softer, cleaner and last longer clothes
 - ❖ Prolonged life for dishwasher
 - ❖ Clear glassware and dishes
 - ❖ Softer and cleaner skin and hair
 - ❖ Saving on soap, shampoo and detergent



Automatic Regeneration Softener Unit : AS Type

Flow Diagram



Applications

- 1) Industrial Uses :
 - Drinking water production
 - Pretreatment of reverse osmosis system
 - Water supply system for boiler
 - Cooling tower
 - Others
- 2) General Uses :
 - Restaurant
 - Laundry
 - Car wash
 - Hospital
 - Household
 - Others

Specification List

Model	Service Flow (m ³ /Hr)	Tank Diameter (mm)	Straight Height (mm)	Resin Volume (L)	Chemical Consumption (kg-100%NaCl/cycle)	Unit Dimension (W x D x H) (mm)	Weight	
							Product (Kg)	Operating (Kg)
AS-25	0.5-1	250	1825	50	5-7	1250 x 1000 x 2550	245	405
AS-35	1.5-2	350	1825	100	10-14	1250 x 1000 x 2550	315	560
AS-43	3-4	430	1825	150	15-21	1450 x 1000 x 2550	445	810
AS-53	5-6	530	1825	230	23-32	1700 x 1200 x 2550	620	1145
AS-58	7-8	580	1825	270	27-38	2000 x 1200 x 2550	690	1315
AS-67	9-10	675	1825	360	36-50	2000 x 1400 x 2550	875	1665
AS-77	11-15	770	1825	470	47-66	2000 x 1400 x 2550	1045	2025

Remark : Scope ➡ Water meter
 Out of Scope ➡ Feed water tank unit, Softened water tank unit, Compressed air

- Chemical consumption of NaCl depends on total hardness content in the feed water.
- Wide range of products besides above items are available.
- All designs and specifications will be subject to change with or without prior notice.