



- **Parts Introduction:**
- Cabinet-L: 32x48x114cm (blue & white)
- Control Valve (8"~22" tank use)
- 1035 Fiber Glass Vessel
- Cation resin
- Transformer 12V
- Salt valve set
- 1" Inlet connector
- Brine pipe connector
- Shipping dimension: 51x45x125cm/set, 46kgs

START UP PREPARATION

- I. CHECK ALL SIDE-PARTS READY FOR INSTALLATION
 - a. 1" In/out connector set (Nut/Male fitting/Gasket x 2)
 - b. Drain pipe connector (3/4" Female x 1/2" Barb)
 - c. 12v transformer (check pin correct for local market)
 - d. Salt Valve set(assembled) & Over-flow connector
 - e. Pipe (for Drain & for over-flow connector)
- II. INSTALLATION STEPS
 - a. Make sure the Softener location before perforating the over-flow hole as drawing.
 - b. Take out the Salt Valve set, remove its white cap.
 - c. Fix the Over-flow connector with screw nut (to fix Salt Valve set and over-flow position)
This step is to prevent water line uprise and leak when Salt Valve set unfunctional.
 - d. Put Salt Valve set into Cabinet, Overflow connector is outside of perforated over-flow hole .
 - e. Connect pipe with Over-flow connector.
 - f. Connect Inlet pipe & Outlet Pipe (refer Control Valve manual), additional connector should be prepared if pipe size different than 1"?
 - g. Drain pipe connector(3/4" Female x 1/2" Barb) should be connected with Brine of CONTROL VALVE.
 - h. Drain pipe fixed with Drain pipe connector to the Drain.
- III. SALT INSTALLATION
 - a. Please refer to the basic formula to add industrial salt (resolution over 99%) for regeneration purpose.
1kg salt : 10Liter Resin Regeneration
1kg salt: 5 liter water
 - b. For example Softener-1035, please add 4kgs industrial salt into Cabinet, and fill with approximate 20-30liter water.
- IV. CONTROL VALVE START-UP
 - a. Remove the back panel of Control Valve
 - b. Find the AC adaptor wire connection
 - c. Connect the pin of 12V transformer & b.
 - d. Plug the transformer with electricity supply.
 - e. Could choose Control Valve original setting or refer to Valve manual for different setting.
- V. TROUBLE SHOOTING
 - a. Control Valve: please refer "Trouble Shooting Page" in Control Valve Manual.
 - b. Other reasons: it might be Silica jam of "filter" inside tube of Salt Valve set. Unscrew the Brass nut, and take "filter" out for cleaning or replacement.
- VI. OTHER REFERENCE
 - a. Regeneration
It will differ in every area due to hardness of water. Please refer the basic formula below to get daily regeneration resin by
Daily Water Consumption(Liter) x Hardness PPM
40300(constant value)
Example:
2000 (Liter) x 200 PPM = 9.9 liter (Regenerated Resin)
40300
*40 Liter Resin should be regenerated every 3 days instead of 4 days. (Full resin x 80% is recommended)