



# DEICING DEPOT

Your specialist for De-icing chemicals and equipment

[www.deicingdepot.com](http://www.deicingdepot.com)

## SOP

### 1600 Gallon Brine Maker

Follow the steps as listed for your 1600 Gallon Brine Maker.

#### Steps For Making Brine

1. Fill Gas and Check Oil in Honda Gas Powered Unit.
2. Close all Ball Valves. Connect 2-3" suction hoses, 2- 2" circulation hoses, 1-2" fill hose to tank from water supply, and 1- 2" discharge hose to storage tanks or application devise.
3. Fill Tank with 1000 Gallons of clean water.
4. Open Middle 3" suction valve, 2" upper and lower circulation valves on tank and pump housing.
5. Start Honda Motor
6. Begin to slowly add 1.5 to 2 ton Solar Rock Salt. (DO NOT USE MINED ROCK SALT)
7. After the Solar Rock Salt is added, run for 20 min in circulation mode, then open bottom 3" in suction circulation valve. (NOTE: DO NOT RUN BOTTOM 3" SUCTION UNTILL MOST OF THE SALT IS DISSOLVED, UNDISSOLVED SALT WILL JAM PUMP AND REQUIRE MANUAL CLEAN OUT)
8. Remove test mixture in separate container.
9. Test Brine mixture with Salometer Meter to insure 23 to 24% solution.

10. Close 3" Middle Suction valve, close top circulation valve, close bottom circulation valve to  $\frac{3}{4}$  closed as to allow back pressure to return to tank while unloading brine maker.
11. Open valve to empty Brine into Storage Tank or Application Device.
12. Do not completely empty Brine Maker, as to not lose prime, close the valve to storage tank or application device. Opening the circulation valve bottom only.
13. Begin again with step 3 as needed to fill Storage Tanks or Application Device.

*Brine Maker Cleanup and Storage Procedures.*

1. Load enough water to gain suction.
2. Start Motor after checking Gas and Oil.
3. Open Circulation Valve.
4. Circulate for 5 minutes.
5. Close Circulation Valve
6. Attach fill hose from Brine Maker to Storage Tank, open Valve pump mixture into Storage Tank or Application Device
7. Repeat as needed to insure Pump and Hoses are free of debris.
8. Remove Filter and clean with water.
9. Remove Drain Plug from Pump housing.
10. Brine Maker is ready for storage.
11. Dispose of trash in approved refuse area.
12. Clean up all Rock Salt Spills and Dispose of properly