

M.S. Foster & Associates, Inc.

Equipment Sales
Michigan City, Indiana
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Auto Brine Making Plant ~ BT600A

The **BT600**[™] is a automatic brine production system for converting standard road salt into brine solution for pre-wetting and anti-icing applications.

Tank

- Constructed 304 STAINLESS STEEL
- Capacity ~ 2 x 650 Imperial Gallons (~780 US Gallons)

Electronic Components

- Programmable Logic Controller (PLC)
- Inline salinity monitor +/-0.1% accuracy.
- Over flow sensor in the brine mix tank.
- "Cycle Start" Control - for automatic production.
- "Cycle Stop" Control - will shut system down after completing existing cycle.
- Emergency Stop Button.
- Auto/manual select switch.
- Manual override controls.
- All electric components housed in a sealed painted stainless steel control box with sealed switches - NEMA 4X.

Description of automatic Brine Making System When the cycle starts, the brine mix tank containing the granular salt will fill with water and begin to fill the dilution chamber with "rich" brine. The salinity sensor located in the dilution chamber will send a signal back to the PLC which will then open/close the fresh water proportioning valve accordingly. This will dilute the "rich" brine down to your desired salinity leve. The finished brine travels through the spillway into the brine side of the tank. The pump will start when the brine side has reached the level sensor and transfer the finished brine to your storage tanks. The cycle will continue until the brine side is full or if you have

chosen to install level sensors in your storage tank, the storage tank is full. The system will not run if the storage tank is full. The system can also be run manually, if and when required.

Specifications subject to change for the improvement of the product.

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