



**ACCUBRINE**<sup>®</sup>

automated brine maker

**NXT-Gen**



**KEEP ROADS SAFER BY STAYING  
AHEAD OF THE STORM.**



***Cargill***<sup>®</sup>

Protect lives and enhance commerce by providing sustainable road safety solutions.

# THE NEXT GENERATION OF BRINE MAKERS IS HERE.

Brine, whether used to wet salt or as an anti-icer, is a highly effective and surprisingly economical solution for combating snow and ice issues on roadways. Now, Cargill Deicing Technology introduces the next generation of brine production that is more efficient and cost-effective than ever before with the AccuBrine® automated brine maker NXT-Gen. All the benefits of brine use — with none of the typical production and supply headaches.

- **Consistently achieve ideal brine concentration**
- **Modular add-on system allows operator to create “customized blends” using brine and liquid additives**

## A CAPITAL INVESTMENT WITH A PAYBACK.

The best investments are those that pay for themselves. The AccuBrine® automated brine maker NXT-Gen does exactly that. Municipalities and DOTs have found that costs are quickly recouped through reduced operational costs. What's more, the AccuBrine® automated brine maker NXT-Gen is built to endure. Its low maintenance fiberglass construction is both reliable and durable.

### AccuBrine® automated brine maker NXT-Gen features:

- **Programmable Logic Controller:** The PLC initiates the production process while a patented sensing system monitors salinity levels.
- **Accurate Data Tracking:** The PLC tracks daily and seasonal data including production volume, water, salt and additives usage.
- **Modular system:** Add Truck filling and additive blending system easily and economically.

### System Includes:

- Improved brine production efficiency:
  - » Addition of proportional control valve
  - » More accurate concentration sensor that is easier to calibrate
- Salt tank
- Control panel
- Improved HMI design and layout with intuitive navigation
- All new Remote Access:
  - » Allows customer to remotely monitor and operate via Apple® or Android™ mobile device or desktop
  - » Enables remote troubleshooting technical support for quicker uptime
- Air Purge: Automatically purges fresh water supply lines to salt mixing tank to avoid freezing
- Available in single or three phase motor options
- **Pump Upgrade** - Includes more powerful pump than prior versions:
  - » 200 GPM - 6,000 GPH
  - » Stainless steel cast
  - » Stainless impeller
- Compact Physical Footprint:
  - » Salt tank: 65.5”H x 125.5”W x 62.25”D
  - » Control panel: L=53” W= 27” H= 75”



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**NXT-Gen**

Sourcewell   
Formerly NJPA

# SIMPLE IMPROVEMENTS FOR GREATER BENEFITS.

By making some exciting new upgrades from the original AccuBrine® automated brine maker model, users can expect a more user-friendly system with improved accuracy and efficiency. These features include:

- Redesigned operator interface screen layout and new PLC program provides a cleaner screen navigation that is easier to use
- Updated electrical components to replace outdated/obsolete electrical hardware and software with state of the art components
- Remote access that improves service and troubleshooting capabilities while reducing amount of time consuming on-site service calls
- Dilute valve replacement with proportional control valve for enhanced brine making efficiency
- Conductivity controller and sensor for improved accuracy and ease of calibration



## A SYSTEM THAT EXPANDS TO MEET YOUR NEEDS.



### ACCUBRINE® blend truck loading & blending system

As you continue to grow your anti-icing program, your AccuBrine® automated brine maker NXT-Gen can easily expand to accommodate your needs. With the AccuBrine® blend truck loading & blending system, you can create custom liquid blends of your choosing at the touch of a button.

The AccuBrine® blend truck loading & blending system is a modular system that, when added to your brinemaker, enables you to produce any custom blend by mixing your brine with various other liquid additives to enhance performance and lower the effective melting temperature.

Using an in-line volume ratio blending method to fill your truck with customized brine blends accurately and quickly, the AccuBrine® blend truck loading & blending system's modular design gives you the option to add additives to blend with brine. The system also gives you the option to add tanker truck offload capabilities easily and economically. Finally, it eliminates the need to store blended product in storage tanks as a custom blend can be made in real time as it is being sent directly to a liquid application truck. Configured to meet your specific needs, the AccuBrine® blend truck loading & blending system is the best way to achieve the custom blends you desire efficiently and effectively.

#### Features Include:

- Allows customer to load trucks while making brine at the same time
- Password protected accessibility
- Allows customer to remotely monitor and operate via Apple® or Android™ mobile device or desktop
- Enables remote troubleshooting technical support for quicker uptime
- Available in single or three phase options
- Truck fill system includes powerful, high-volume centrifugal pump
  - » 300 GPM with three settings to allow you to safely fill different tank capacities
  - » Stainless steel cast housing with stainless impeller
- Remote operated truck fill station
- Unlimited users and various product recipes
- System tracks usage totals that can be download to an SD card for measuring purposes
- Each additive module:
  - » Can be initially purchased as part of the system or added on later
  - » Allows one additive to be mixed with brine in unlimited concentrations
  - » Permits customer to set tank recirculation times and frequency
- System can be used to offload additive or liquid application tanker trucks back into storage tanks
- Improved HMI design and layout with intuitive navigation
- Storage tank high and low level alarms





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