

ACCUBRINE™

AUTOMATED BRINE MAKER



Automation Improves Brine Quality

AccuBrine™ Automated Brine Maker Was Worth the Wait for Louisville.

It's worth waiting for the right brine pretreatment solution — even if it takes nearly a half a decade to find it. Such was the case for Louisville Metro Public Works and Assets in Louisville, Kentucky. They waited many years before discovering the AccuBrine™ automated brine maker from Cargill Deicing Technology, and they are glad they never settled for less.

Sometime around 1997, the Louisville Metro Public Work and Assets decided to implement a program of pre-treating roadways with brine and began their search for the right system. What they found never measured up to their needs. “Some nearby municipalities were using manual brine making machines, but we found them to far too laborious or susceptible to human error,” said Jeremy Raney, District Operation Administer for Louisville Metro Public Works and Assets. “Then we came across some people from Cargill Deicing Technology talking about the AccuBrine™ system at an APWA show.”

Cargill Deicing Technology arranged for Raney and others from his department to visit an Indiana municipality that was currently using the AccuBrine™ system. “Upon seeing it and what it could do, we knew right away that the AccuBrine™ system was the answer, it met all of our criteria for today and long term,” Raney added.

Within eight months, Louisville had an AccuBrine™ system in place along with five trucks equipped with brine distributors. Not long after, that number of trucks tripled. And the results since implementing the AccuBrine™ system approximately three years ago have exceeded everyone's expectations. Raney explained, “It's a major asset to our snow fleet. Our response is much faster, meanwhile our time spent on the roads is drastically reduced.”

Currently, the City of Louisville is served by one AccuBrine™ system, fifteen trucks with brine dispensers and five, 10,000 gallon brine holding tanks strategically located around the city, making it more efficient for trucks to re-load. As of today, they use brine pre-treatment on 770 miles of roadway, and are able to create their brine for “pennies a gallon” according to Raney.

But the system is not yet complete. Plans are already in place for expanding the program. “We're probably going to move to 20 or so trucks and install more brine holding tanks around the city. We're also looking at adding hot mix blending capabilities, which is easily accomplished using the AccuBrine™ system,” said Raney.

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