

MaximICE® Slurry Ice for Wort Cooling



Client: Springfield Brewing Company, Springfield, Missouri

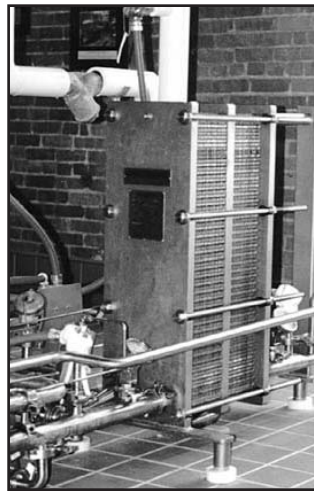
Project Description:

A 3-ton ice slurry generator.
A process cooling application.
Payback in less than two years.

Project Scope:

- ▲ Installed a 3-ton ice slurry generator.
- ▲ Installed a refrigeration heat recovery system.
- ▲ System designed to minimize energy consumption.

This 3-ton ice slurry generator and storage tank is used to cool the wort from about 210°F down to 46°F. A small 3-ton ice slurry generator can produce 504 ton-hours per week (3 tons x 24 hours x 7 days) for applications in process cooling and any short-duration load. These units have been installed in multiples for projects needing 6 tons or 9 tons of ice slurry.



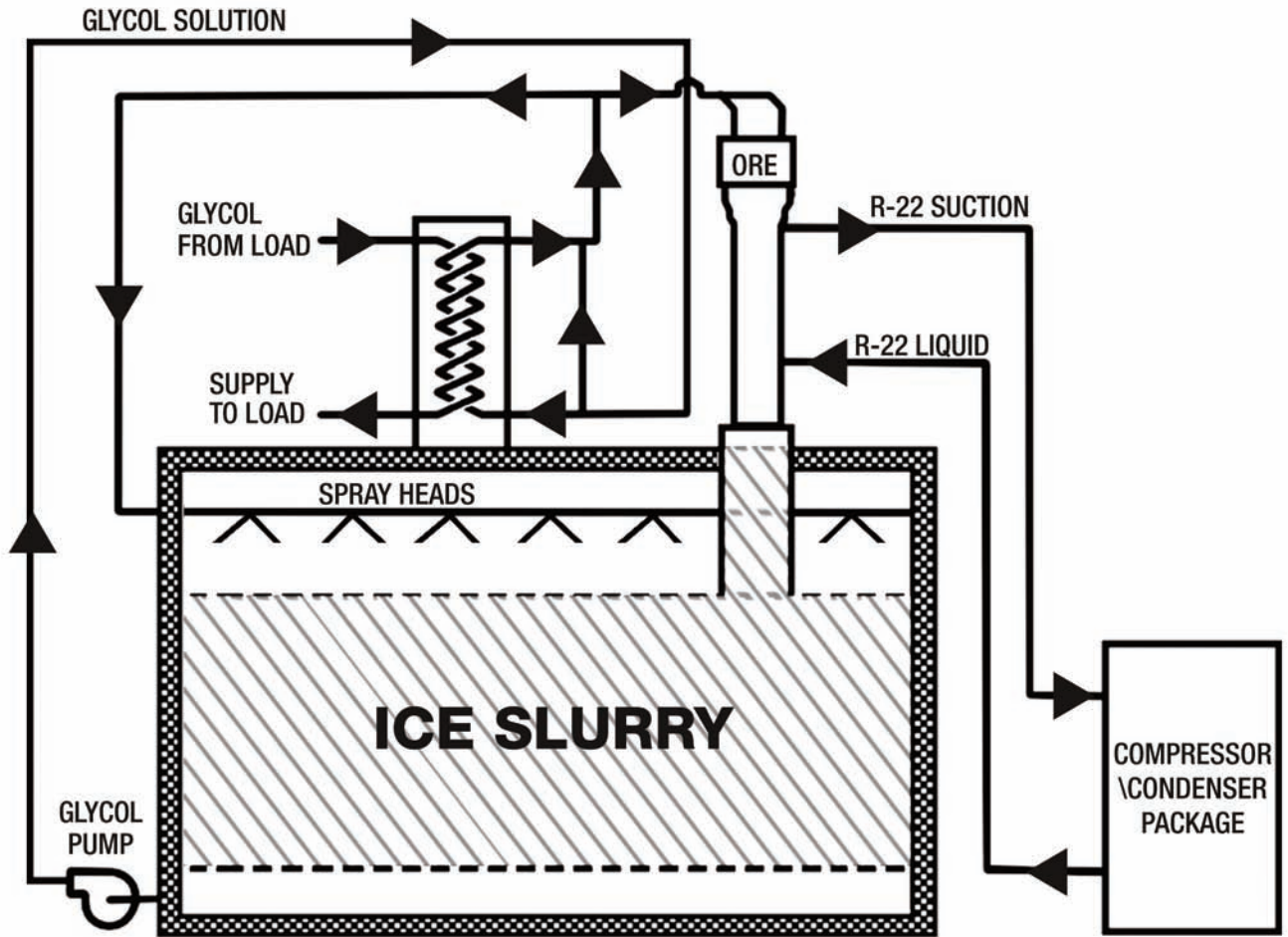
◀ The ice slurry is pumped into the top of the storage tank. Note the spray ball which distributes the warm return solution over the ice.

◀ These tanks serve as hot water storage. The hot water is produced by a refrigeration heat recovery system on the building's roof.

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The ice slurry system cools the wort from about 210°F down to 46°F. The 3-ton ice slurry generator can produce (3 tons x 24 hours x 7 days) 504 ton-hours of ice slurry per week.



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