

The Cold Facts

Spring 2004



The beef plant project continues and is beginning to take shape. Here we're setting a large air cooling/filtration system on the roof. These systems have become very important to processing plants; bacteria contamination is a problem.

A Step Forward In Demand Defrost

RSC has been providing demand defrost sensors to the industry for almost 10 years. They provide an energy saving, low cost addition to any system. This has been a very successful addition to our control scheme, since the return on initial investment is so high. We have also integrated them into other systems so the demand defrost capability could be employed.

These sensors have proven to be a wonderful addition to the control scenario and provide a great benefit—namely energy savings! And the best part is that you get the energy savings without giving up any operating or design performance! These sensors have saved our customers countless dollars in lowered energy bills through substantially reduced defrosts. Defrost, as you know, is an expensive but important function in your plant. It keeps the evaporators cooling to their peak efficiency by eliminating the ice build-up on the coil.

The only drawback to the existing sensor is that it employs a mechanical mount for adjustment. This means that to make any adjustments, you likely will need a scissor lift to get to the unit. (It's mounted right on the coil) So, calibration could be time-consuming.

This brings us to our latest technological improvement in this area. We are pleased to announce a big step forward in the development of these sensors.

RSC is introducing a Remotely Adjustable Frost Detector! The amount of frost that's permitted to build up on the evaporator before a defrost is triggered is now adjustable from the refrigeration control workstation.

The new analog frost detector, which provides the control system with a signal representing the amount of frost buildup on the coil, will allow the trigger point to be set at the control workstation. You never need to go to the evaporator for demand defrost sensor adjustment again!

As a further advantage of the new frost detector, it tells you how much frost has built up and how near the coil is to defrosting.

The new analog frost detector is also available as a stand-alone single evaporator system, complete with all controls and software. This eliminates the need to run control wiring to a remote location or for plants where a control system does not exist. Naturally, the system is also available for multiple evaporator installations in combination with a control system.

You may also be interested to know that this new frost detector is available for retrofit. For more technical information or pricing, please contact your RSC representative.



You can get some idea of the size of the system by the vessels in this tank farm.



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Tracy Roshong and Jay Hess Join The RSC Project Team

Jay Hess is a recent graduate of Ohio State University, with a B.S. in Mechanical Engineering. He's a native of Columbus and comes to RSC with some construction experience, having worked with Marathon Oil in project management.

Tracy Roshong is a 20-year veteran of the construction industry. Over the last two decades he has worked in many capacities, including field engineering for a steel company, and as an estimator and a project manager. His experience in these varied roles makes him uniquely qualified for project management at RSC.

RSC's prime contracting activities continue to create opportunities that can only be satisfied by people with a broad construction background, as well as being a place for a young person to grow. RSC's specialty in temperature controlled facilities creates challenges that are unique and provides all the opportunity one might want. In fact, sometimes it's like your business—it creates *more* opportunities than one might want!

Credit Card Convenience We're Finally There!

Many of you have been asking RSC whether we can accept credit cards for the purchase of goods and services. The answer is "YES!" The trend with many organizations has been to simplify their accounting systems, which has made the use of corporate credit cards much more prevalent. To meet that need, RSC has added Visa, MasterCard, Discover and American Express. We hope this added payment method is useful to you.

Make A Note Of It

In 1970, Spencer Silver of the 3M Corp. was experimenting with super-strong adhesives when he came across one combination that created a disappointingly mild bond (it couldn't even be used to hold two pieces of paper together firmly!)

A few years later, another 3M employee, Arthur Fry, was frustrated that the little paper markers he used in his choir hymnal wouldn't stay put. Borrowing some of Silver's super-weak adhesive, Fry found that his markers would stay in place, but he could also lift them off without damaging the book at all. Thus was the birth of Post-It Notes, which hit store shelves (and revolutionized the way we organize our lives) in 1980.

—*mental_floss*

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