



Press Release

For Immediate Release

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HUSSMANN'S NEW PROTOCHILL REDUCES REFRIGERANT CHARGE, SAVES ENERGY

Bridgeton, MO – Husmann Corporation, a leading manufacturer of refrigeration systems and food merchandising equipment, recently introduced a new distributed secondary system that's more environmentally friendly than traditional secondary systems. Called Protochill, the new system requires less refrigerant charge and provides better energy efficiency and lower construction costs.

Protochill utilizes the Protocol HE platform in conjunction with an integrated pump and heat exchanger package for an innovative medium temperature application. This compact distributed system offers installation flexibility for a wide range of applications – from new stores to remodels.

A typical water-cooled Protochill can reduce refrigerant charge up to 60% over a central secondary system, and an air-cooled application can reduce charge up to 35%. Protochill also offers up to a 10% energy savings versus traditional secondary systems when properly applied. The savings are a result of proper load matching and pressure drop reduction due to the proximity of the units to the refrigerated cases and coolers.

Other advantages over traditional secondary systems include:

- Lower installation costs (mechanical and electrical)
- Significant reduction in greenhouse gas emissions

The reduced charge of Husmann's Protochill system may make it easier for supermarkets to achieve GreenChill certification. Husmann is a member of the US EPA GreenChill Advanced Refrigeration Partnership, a cooperative alliance with the supermarket industry to promote advanced technologies, strategies, and practices that reduce refrigerant charges and emissions of ozone-depleting substances and greenhouse gases.

Husmann is a part of Ingersoll Rand's Climate Control Technologies sector, which provides equipment and services to manage controlled-temperature environments for food and other temperature sensitive products. The sector encompasses both transport and stationary refrigeration solutions. In addition to Husmann, Ingersoll Rand product brands include Thermo King, a world leader in transport temperature control systems, and Trane, a leading manufacturer of air conditioning and heating systems.