



The Responsive Company™

The 3 Most Recent Trends in Natural Refrigerants

The United States is placing more and more emphasis every year on sustainability, in efforts to reduce the number of power plants necessary to power the country and reduce our carbon footprint. Since refrigeration uses the majority of energy in a supermarket, government agencies and organizations are constantly looking for the greenest approach. Listed below are the 3 most recent trends in natural refrigerants discussed at the ATMosphere America 2015 Conference on June 25th-June 26th in Buckhead, Atlanta:

1. CO₂ Subcritical Systems are still more popular than CO₂ Transcritical Systems

In 2015, there are expected to be 200 subcritical CO₂ systems in the United States, which is double the amount from 2014. CO₂ Transcritical systems are only expected to reach 17 systems across the United States in 2015.

2. Ammonia Is On The Rise

Ammonia (R-717) is finding more favor than in recent years, especially low-charge ammonia systems. For retail refrigeration and air conditioning, some vendors believe the highest efficiencies are possible with CO₂ cascade systems utilizing a tiny ammonia charge on the roof.

3. CO₂ Transcritical is Catching on in California

Despite warmer climates, California stores are continuing the natural refrigerant theme and tapping into the CO₂ Transcritical arena as well as CO₂ cascade with ammonia on the top stage.



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