R-22 Phase-Out mandated by EPA

By January 1, 2020 the U.S. will be required to reduce its consumption of HCFCs by 99.5%.

SWITCH TO LOW CHARGE AMMONIA REFRIGERATION

AMMONIA – The Natural Choice

- An all-natural refrigerant – has been used for more than 150 years; readily available
- Zero depletion potential
- Zero global warming potential
- Outperforms HCFC for much lower energy usage

Bassett introduces our Customizable Low Charge Ammonia Refrigeration System

Ammonia systems are now available in compact/smaller systems. The Low Charge Ammonia Refrigeration System has a capacity up to 75 tons while still maintaining a less than EPA regulated 100 lbs of ammonia.

- Installation is greatly simplified because the compact skid unit is factory build and tested
- Plug & play design allows for simple & quick retrofits with minimal disruption
- Units can be grouped together if higher capacities are required

www.bassettmechanical.com  1-800-236-2500

Creating Customers for Life™
Features of Low Charge Ammonia Refrigeration System

CONDENSER

• Floating head pressure, allowing for maximum efficiency
• Adiabatic cooling allows for a design condensing temperature of 95°
• Water is used ONLY when the ambient temperature requires it to maintain condensing temperatures that typical air-cooled technology cannot achieve
• Utilizes VFD’s on condenser fans
• Long-term reliability and minimal maintenance

COMPRESSOR

• Pounds of ammonia/ton: <1.3
• Brake horsepower/ton: .448
• Utilizes VFD on motor

EVAPORATOR

• Low ΔT heat exchanger
• DX feed to minimize charge

VESSELS

• Completely fabricated in-house at Bassett’s state-of-the-art manufacturing facility
• Sub-cooling coil to minimize downtime and maximize performance

SYSTEM

• Capable of complete package pump down to minimize downtime and simplify maintenance
• PLC control
• Optimized energy efficiency
• Lowest cost of ownership compared to air-cooled units – up to 20% energy savings
• Made in the U.S.A.

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