

# Ammonia/Carbon Dioxide Cascade Condensers

**Rugged and Reliable Shell-and-Tube Design  
Protection against Mixing**



- Compact Design with Double Enhanced Tubes
- Low Ammonia Charge - Direct Expansion on Tube Side
- Carbon Dioxide Condensing on Shell Side
- Higher Pressure Rating: 500 - 1000 psig
- Only Two Gaskets
- Leak Proof Strength Welded Tube Joints
- Seamless Carbon Steel or Stainless Tubes

**Address:** 7401 Commercial Blvd. E  
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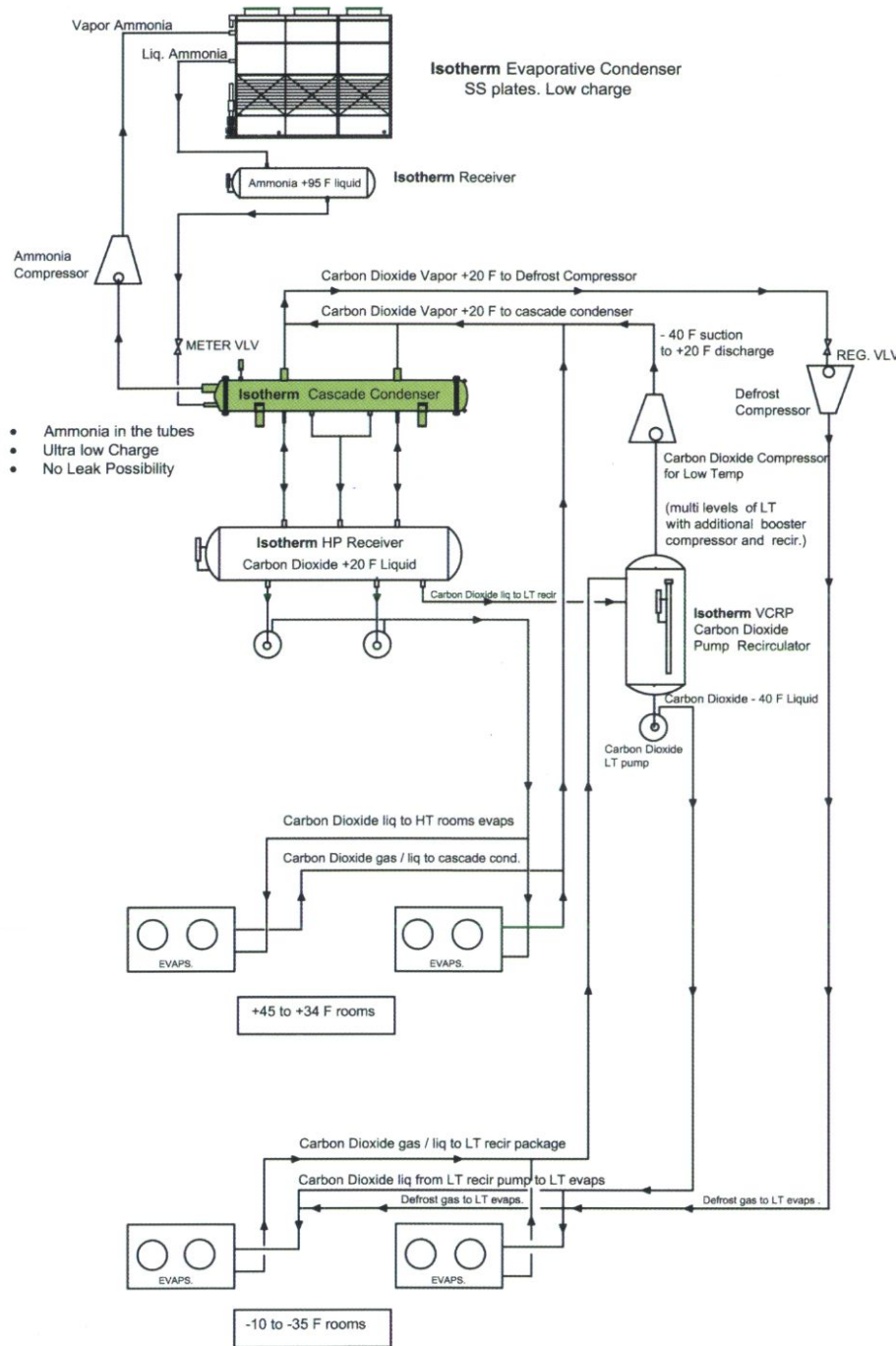
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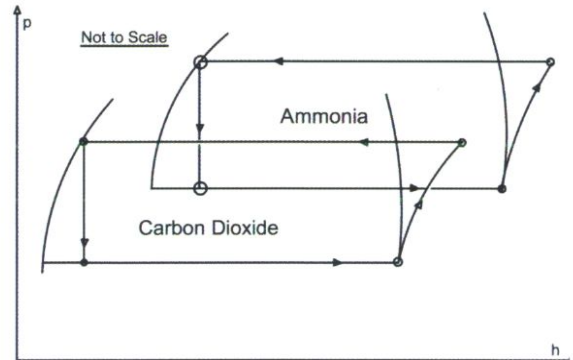


# MULTI LEVEL AMMONIA TO CARBON DIOXIDE REFRIGERATION SYSTEM WITH HOT GAS DEFROST

The **Isotherm** Cascade Condenser reduces the Ammonia Charge vs. Plate and Frame or Plate and Shell Design. In addition, the **Isotherm** Cascade Design alleviates the possibility of leaks common to Plate Designs that can cause Catastrophic system failures.



- Ammonia in the tubes
- Ultra low Charge
- No Leak Possibility



The Carbon Dioxide / Ammonia Cascade Refrigeration Cycle