The recommended installation creates a separate return for the Ultra Aire 120V in a central area of the structure. Duct the supply of the unit to the air supply of the existing HVAC system. Connect an insulated duct from outside to the 6” damper of the Ultra Aire 120V to provide fresh make-up air.

**CAUTION!**

**DO NOT CONNECT WITH A STATIC PRESSURE GREATER THAN OR EQUAL TO +0.8 WG.**

**CONTACT TECHNICAL SUPPORT AT (800) 533-7533 FOR ADDITIONAL DETAILS.**

**Ducting Considerations:**
- All flexible ducting connected to the Ultra Aire 120V should be UL listed.
- A short piece of flexible ducting on all Ultra Aire 120V duct connections is recommended to reduce noise and vibration transmitted to rigid ductwork in the structure.
- Use a minimum 8” (10” for inlet) diameter round or equivalent rectangular duct for total duct lengths up to 25’. Use a minimum 10” (12” for inlet) diameter round or equivalent rectangular duct for longer lengths.
- Grills or diffusers on the duct ends must not excessively restrict airflow.
- Effective dehumidification may require that ducting be branched to isolated, stagnant air flow areas. When ducting to two or three areas, use 8” or larger diameter branch ducting. When ducting to four or more areas, use 6” or larger diameter branch ducting. Provisions must be made to provide airflow from supply locations to the central return location. Proper air distribution is important to ensure even humidity control and heat distribution throughout the structure.
- **DO NOT** locate the return in a bathroom or a kitchen.

**Recommended HVAC System Installation**

**Dedicated Ultra Aire Return to HVAC Supply**
- Install a dedicated return for the Ultra Aire 120V from a central area of the structure.
- Install an insulated duct from outside to the 6” damper of the Ultra Aire 120V to provide fresh air ventilation (optional).
- The optional second supply of the Ultra Aire 120V may be ducted to another location. This can provide a second source of airflow to the basement or supply of the existing HVAC system with a backdraft damper.
- When using only one of the two supplies on the Ultra Aire 120V, the unused supply must be blocked using the duct cover plate included.
- **DO NOT** locate return in a bathroom or a kitchen.
- Control should be located remotely from the dehumidifier and placed in a central location.