



The advantages & disadvantages of split systems vs. through the wall systems

Through-the-wall system

Examples: WhisperXLT or Breezeaire WK

Advantages

- Lower cost for initial investment
- Lower cost for installation
- Licensed HVAC contractor not required for installation
- All components in one unit

Disadvantages

- Maximum temperature differential allowable for required venting is 25° for Breezeaire and 30° for Whisperkool
- Cannot vent outdoors if the temperature will rise above 85°
- Cannot be set cold enough to store white wines or champagne at serving temperature
- utilize a slow-reacting liquid measuring thermostat
- Considered noisy compared to split systems
- Entire assembly must be removed and returned to the factory for any repairs

USCS Split Systems

Advantages

- Separation of components reduces noise near cellar
- Separation of components eliminates heat venting into living areas
- Several coil sizes, shapes, and mounting possibilities available
- Condensers can be installed indoors or outdoors without temperature differential concerns
- Water Cooled Condensers available for locations with a water source or Geo-thermal technology
- Condensers can be located up to 50' from the fan coil with no additional preparations
- Entire system can be serviced and repaired in place by most any HVAC technician
- Many replacement components available locally nationwide
- Air temperature probe used with remote mounted programmable thermostat is more responsive to changing conditions
- Unlimited technical assistance readily available direct from US Cellar Systems

Disadvantages

- Greater initial investment and installation cost
- Copper line sets must be installed