

# Product Spotlight

## Units Factory Charged

### United CoolAir Units are Factory Charged!

A heading worth repeating. One of the key features of United CoolAir systems is that they leave the factory already charged with R-410a refrigerant. Exceptions would be when only a portion of a system is being provided, such as an evaporator or condensing section.

So, what is the big deal about this, other manufacturers also ship units factory charged. Yes they do, however, each section typically has a service valve on it. Only one section holds the charge for the system and up to “X” feet of tubing if it is a split system. The evaporator typically needs to be evacuated along with the interconnecting tubing.



### United CoolAir Systems Use Resealable Refrigerant Fittings

United CoolAir has utilized Resealable Refrigerant Fittings on units since 1988. These fittings allow the factory to charge the units for testing. The unit sections can be taken apart at the factory or in the field without losing the charge. The split sections are often a lot easier to get into an existing building and to the space where they will be mounted compared to attempting to move in the entire system as a single package.

This often provides an installed cost advantage since no special rigging is required. Cranes do not need to be used and buildings do not have to be modified.

Once the sections are moved into position the installer simply reconnects the two coupling halves.

### Benefits...

1. No field brazing is required.
2. No field refrigerant circuit evacuation is required.
3. The quality of the refrigerant circuit evacuation is factory controlled and documented. This is especially critical for any system utilizing POE oil.
4. Cost of refrigerant is already included in the unit pricing.

Make sure your contractor knows this so they do not include extra labor and material in their pricing, especially on larger systems where the piping is larger and the amount of refrigerant for the internal volume is substantial.