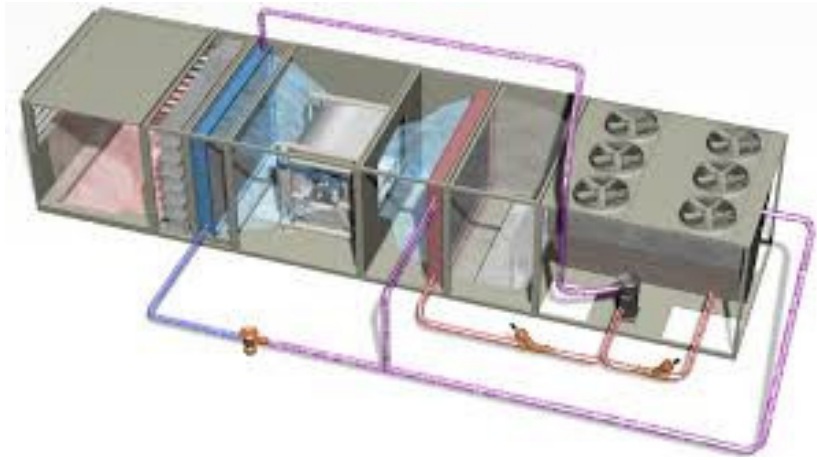


# Modulating Hot Gas Reheat



## Pros



Doesn't use indoor space.



Easy to install.



Usually among the most energy efficient options.



Unit arrives packaged and ready to go with controls so it is "plug and play."



Supplemental standalone dehumidifiers not required.



Greater precision of climate parameters over standalone systems when modulating option is selected.



## Cons



Highest equipment cost per ton (although overall installation costs may be less expensive than a chilled water system).



Requires duct work in grow space.



Lower life expectancy compared to other designs, 5-10 years in most applications.



Requires air to go outside of grow spaces which can pose an odor control or biological concern, or loss of CO<sub>2</sub>.



Redundancy and its associated electrical infrastructure will be required to oversize every room's tonnage (as opposed to a chiller system that can provide similar redundancy at a lower overall tonnage).



Lacks ability to economize for energy as compressor cannot be turned off when it's cold outside.



Cannot benefit from flipped loads.



Lack of flexibility. If grow conditions change in the future, you "have what you have" and would need to purchase more equipment to accommodate the growth.



Can require specialized techs for maintenance.