



Pool Unit Simple Sequence

Unit runs continuously. Supply & Exhaust fans run continuously.

Summer

- Summer Space RH will be based on 60%
- Outside air damper opens to minimum position.
- When space humidistat calls for dehumidification, compressor(s) maintain dewpoint (adj).
- Space temperature sensor modulates hot gas reheat to maintain space temperature (adj).

Winter

- Winter Space RH will be based on 50%
- Summer/Winter switchover is based on outside air temperature & humidity (adj).
- When space humidistat calls for dehumidification outside air opens to allow more air across sensible heat wheel to maintain dewpoint (adj). Exhaust air dampers modulate with OA dampers to maintain a balanced airflow across the heat wheel.
- Heat wheel VFD will modulate to provide frost protection.
- Space temperature sensor modulates gas furnace to maintain space temperature (adj).
- A discharge air temperature sensor shall maintain a discharge air temperature and shall be reset by room temperature sensor.

Economizer

- When OA temperature and humidity allow, the heat wheel will turn off
- and allow 100% outside air.
- Exhaust Fan shall continue to run to maintain space pressure.