

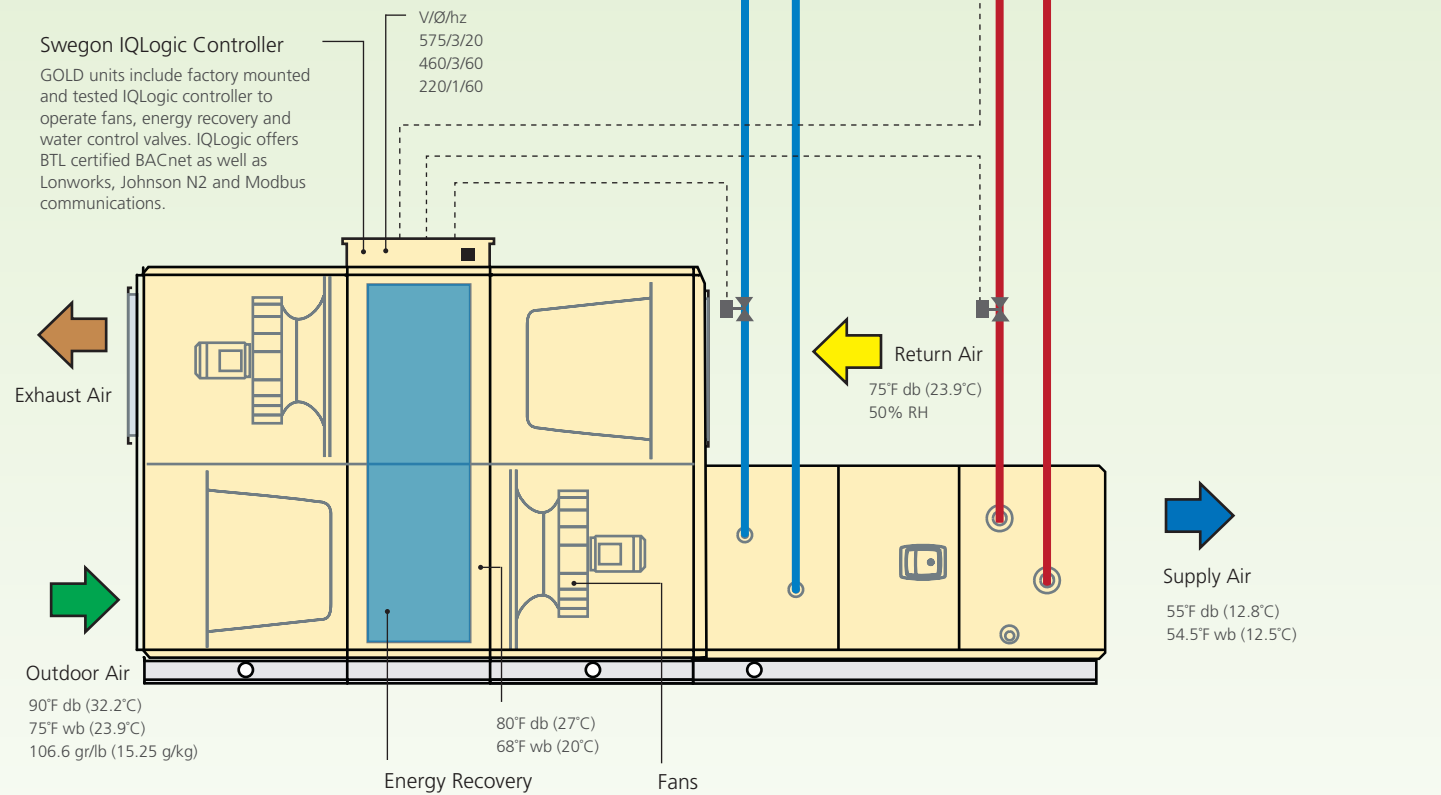
SUMMER

All Year Comfort

The optional All Year Comfort controller can control the chilled water and hot water temperatures supplied to the chilled beams. It will integrate the chilled water temperature with the humidity control to maintain humidity control and avoid condensation at the beams. If the dewpoint exceeds the chilled beam supply water temperature the All Year Comfort controller will raise the chilled water setpoint and increase the primary air flow to maintain cooling in the space.

Swegon IQLogic Controller

GOLD units include factory mounted and tested IQLogic controller to operate fans, energy recovery and water control valves. IQLogic offers BTL certified BACnet as well as Lonworks, Johnson N2 and Modbus communications.



Optional Dehumidification and Reheat

Some applications require the ventilation air to be cooled (55°F (12.8°C)) to dehumidify but then reheated to neutral temperature (75°F (23.9°C)). This can be accomplished by having the heating coil in the reheat position. The IQ Logic controller can operate the second coil and will only cool the outdoor air enough to meet both the supply temperature and relative humidity setpoints thus minimizing simultaneous cooling and heating.

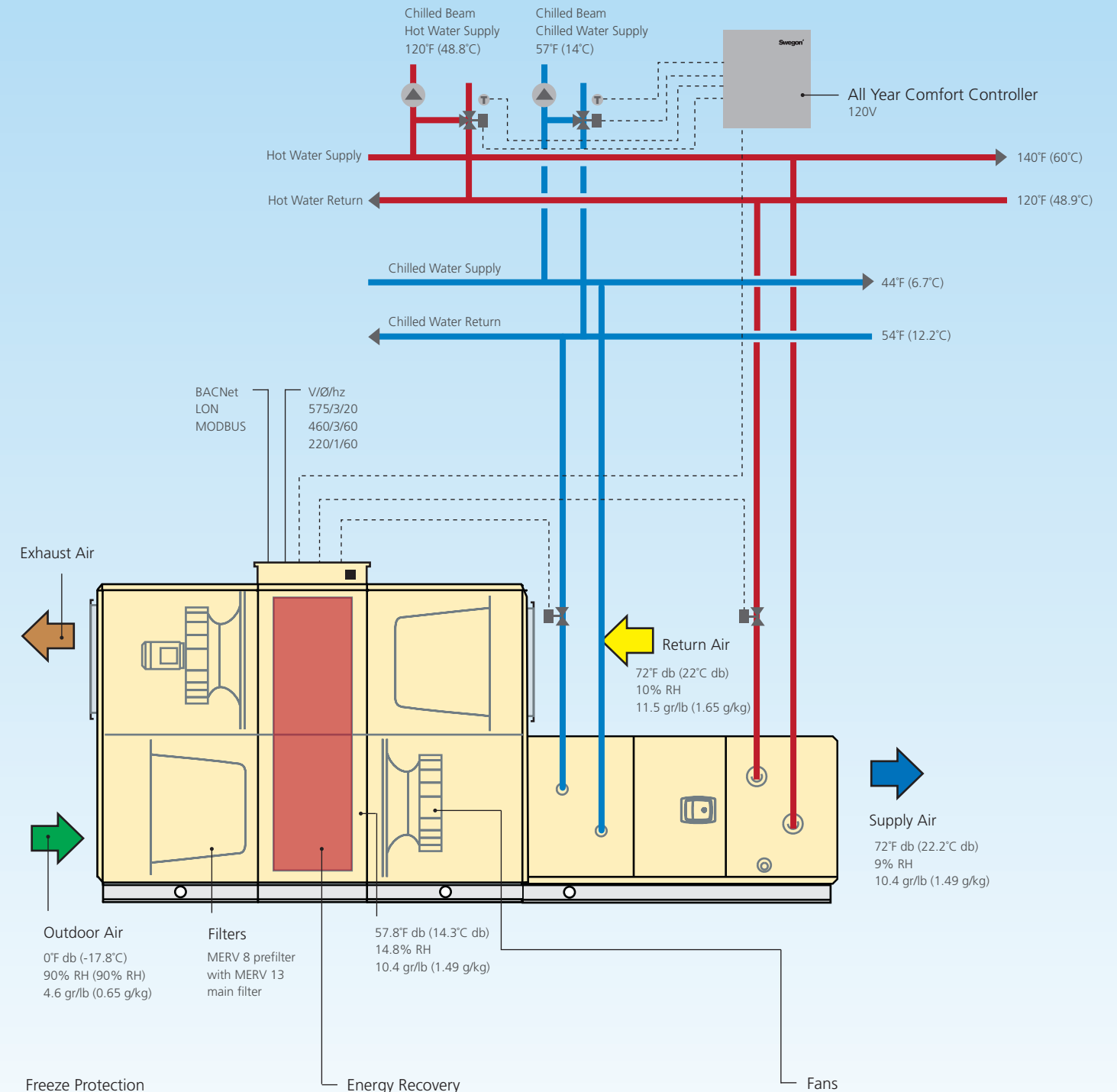
Chilled Water Supply

Use chilled water from main building chiller plant. Coils are designed for project specific conditions. 2-way temperature control valves (shown) are supplied by Swegon for field installation. 3-way valves are also available. Valve includes wiring harness. Two-pipe change over piping systems are available. IQ Logic will operate a single valve in both heating and cooling mode.

Hot Water Supply

Use hot water from main building heating plant. Coils are designed for project specific conditions. 2-way temperature control valves (shown) are supplied by Swegon for field installation. 3-way valves are also available. Valve includes wiring harness. Two-pipe change over piping systems are available. Steam coils are also available including controls.

WINTER



Freeze Protection

IQ Logic control includes freeze stat for applications requiring freeze protection. Coils can be designed for glycol. The IQ Logic controller can also operate a field supplied recirculation pump. This control can be used to maintain water circulation to avoid freezing or to operate a pump when a heat exchanger is used to isolate a glycol loop from the rest of the building.

Energy Recovery

Plates, runaround coils and enthalpy wheels available. Standard GOLD RX AHRI 1060 certified 3 ang. enthalpy wheel recovers 80% + of the total energy. Optional PassiveHouse certified GOLD RX models use special enthalpy wheel and recover 80% + of the total energy.



Fans

Special plenum fans design for high efficiency and low sound, direct driven by 220, 460 or 575 volt EC motors. Fans are variable flow and include airflow monitors. Models are available from 500 to 16,000 cfm.