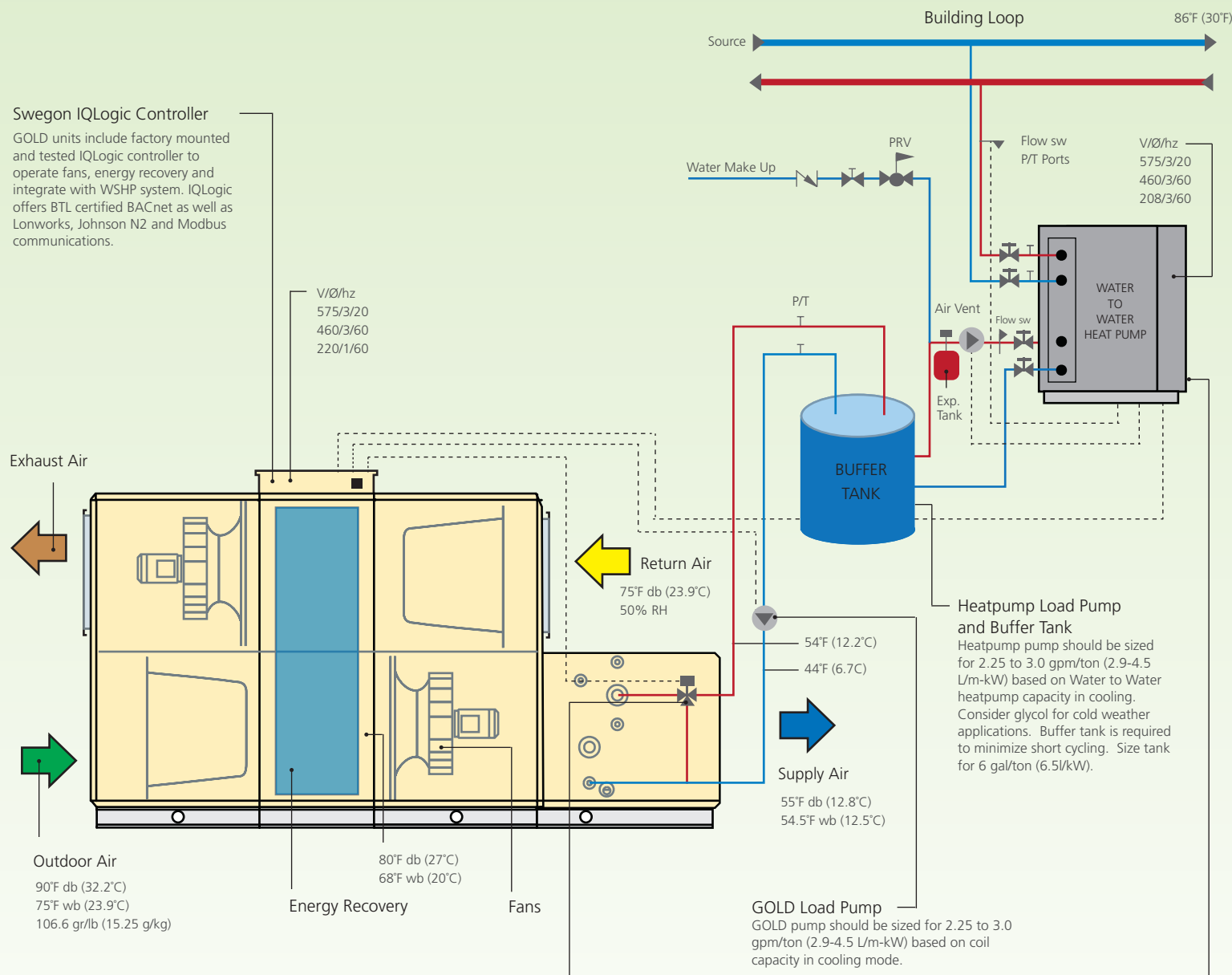


## SUMMER

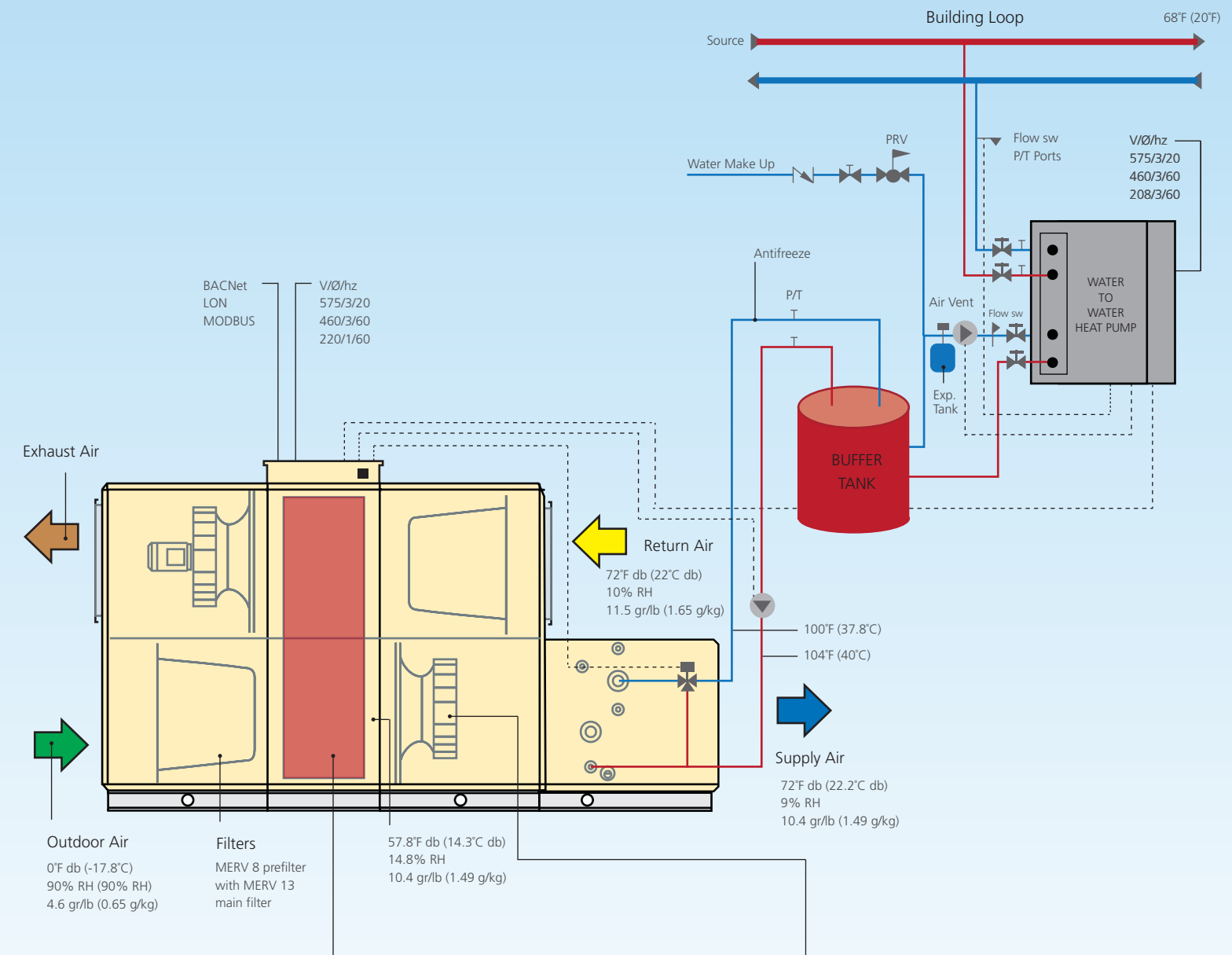


**Optional Dehumidification and Reheat**  
Some applications require the ventilation air to be cooled (55°F (12.8°C)) to dehumidify but then reheated to neutral temperature (75°F (23.9°C)). This can be accomplished by adding a second water heat coil to the GOLD unit that is connected to the source loop. 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.

**Coil Control Valve**  
Control valve is supplied with GOLD unit and is controlled by Swegon IQ Logic controller. In cooling mode heat from the ventilation air is rejected to the building loop. In heating mode, heat is extracted from the building loop to heat the ventilation air.

**Water to Water Heat Pump**  
Water to Water heatpump uses building loop as a heat source/sink. In cooler weather, heat from the building is used to heat ventilation air. Unit sizes range from 3 to 60 tons with cooling EER around 16 and heating COP around 5 based on ASHRAE/AHRI/ISO 13256. Source water flow can 2.25 to 3.0 gpm/ton (2.9-4.5 L/m-kW) with range of 60 to 90 °F (16-32 °C). Most units can be integrated to the BAS through BACnet, LON or other protocol.

## WINTER



**Additional Heating**  
In most applications the water heatpump coupled with Swegon's high efficiency energy recovery wheel will meet the heating load. Where supplemental or back up heat is required, Swegon supply electric heat or control a duct mounted gas heat section supplied by others.

**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.

