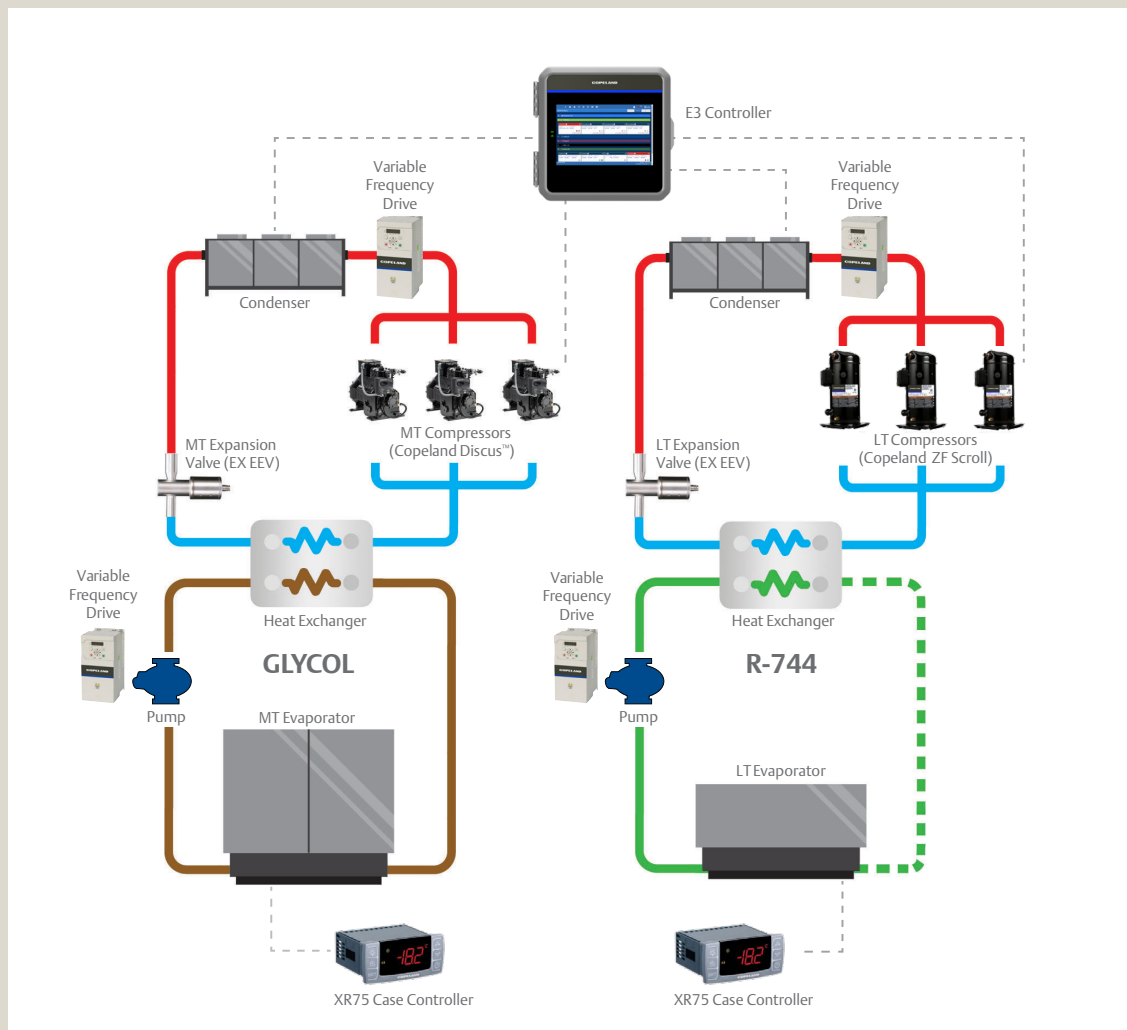


# CO<sub>2</sub> secondary refrigerant system

Secondary refrigerant systems require a pump to circulate a secondary coolant throughout a facility. These systems utilize an extra heat exchanger for temperature drop. The extra condensing heat exchanger requires a temperature difference to drive the heat transfer and so the MT evaporating temperature must be lower than the secondary CO<sub>2</sub> temperature. However, the better heat transfer properties of CO<sub>2</sub> in the cabinets allows the circulating fluid to operate at 30.2°F instead of 26.6°F with glycol. In this model, a temperature difference of 9°F has been applied so that the MT evaporating temperature is 21.2°F.



To learn more, visit [copeland.com](https://www.copeland.com)

©2024 Copeland LP.

**COPELAND**