

# Emerson™ CO<sub>2</sub> high pressure controller

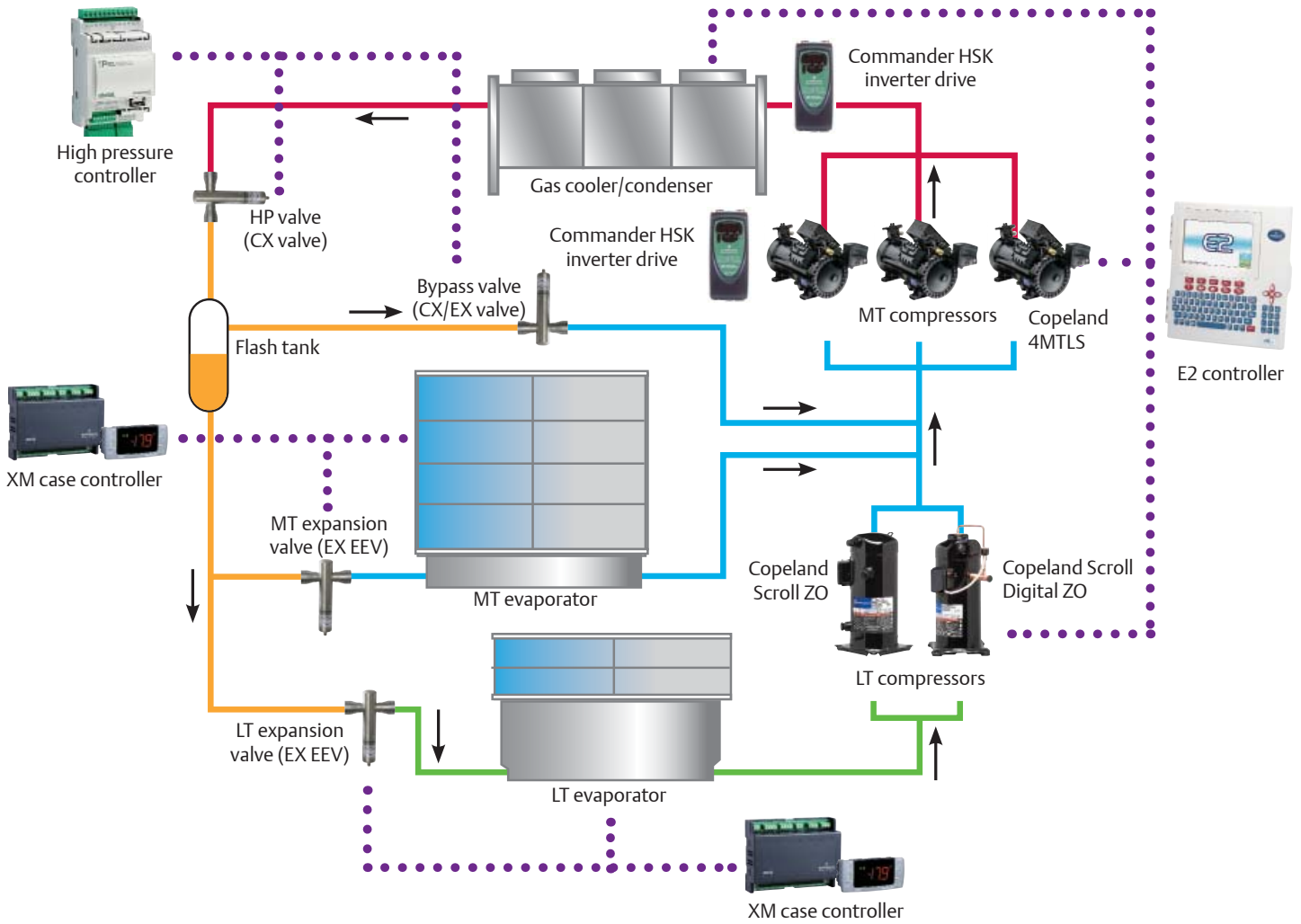


## An integral part of Emerson's transcritical control system

The Emerson CO<sub>2</sub> high pressure controller manages the high pressure and flash gas bypass valves directly based on the pressure/temperature at the gas cooler outlet as well as the pressure of the receiver.

### Features

- Manages subcritical and transcritical mode of operation based on temperature input
- High pressure valve control to insure optimum efficiency during transcritical operation
- Helps maintain optimum pressure receiver
- Safety modes coordinate high pressure and bypass valves based on receiver pressure
- Optional heat reclaim mode
- Fallback mode in case of sensor/transducer failure
- Local display (optional)
- Communication with E2 supervisory system to allow users to manage and monitor all aspects of the high pressure controller.
- Remote monitoring capabilities
- Compatible with Emerson's CX valve



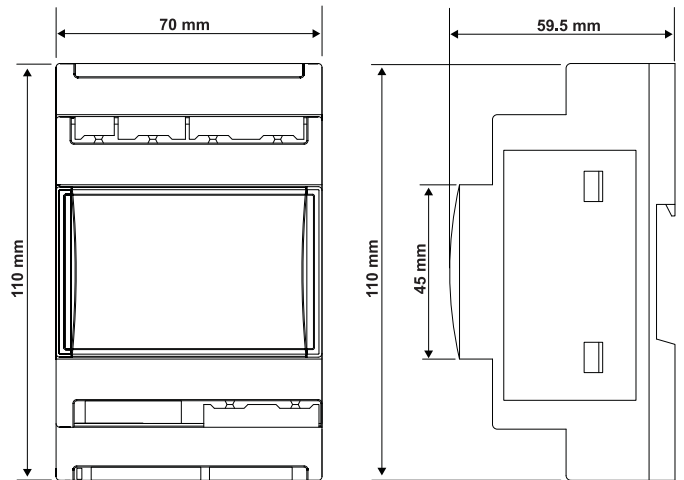
### Sensor and probe support

Standard temp sensors (i.e. P/N 501-1121)  
 Pressure transducers: 1000 psi (P/N 800-2710) or  
 2000 psi (P/N 800-2720) depending on application

### General specifications

24 VAC input power  
 RS485 communication to E2 supervisory system

### Dimensions



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