

# CO<sub>2</sub> solution



Optimized CO<sub>2</sub> electronic system  
for retail applications

**DIXELL™**

  
**EMERSON™**



## Optimized CO<sub>2</sub> electronic system for retail applications

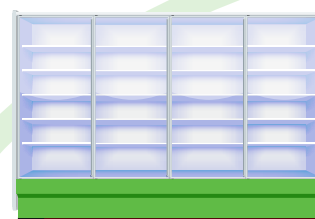
The XeCO<sub>2</sub> system is the complete and innovative solution for the retail world that ensures an optimized efficiency management of the CO<sub>2</sub> plants. XeCO<sub>2</sub> consists of controllers for refrigerated cabinets and compressor racks / condensing units and of monitoring and controlling systems.

### XM600

#### High performance multiplexed cabinet controllers



- Advanced superheat management depending on the compressor rack status
- Performance improvement through the overfeed evaporators that result in less defrost demand
- Quick and easy installation thanks to pre-configured maps
- Smart function updates directly in the field
- High efficiency whether using a stepper or a PWM valve



### XWEB

#### Advanced controlling and monitoring systems

- Increased strategy-control performance thanks to XM600 & iProRACK synchronization
- 2 serial ports with 19200 max speed for independent field bus faster data reading
- Dual Ethernet ports for service use
- Memory expansion via micro SD for configuration back-up



- Safer systems thanks to the synchronization among compressor racks, cabinets, and monitoring systems
- Powerful and adaptable hardware platforms for any control need
- Maximum efficiency thanks to dynamic superheat management
- Advanced algorithms for energy saving management
- Easy and intuitive installation and use
- Cost reduction through COP improvement
- Heat recovery and integration with HVAC systems for efficiency improvement
- CRO for compressor rack optimization via dynamic suction set point



\* compared to a conventional transcritical R744 booster supermarket unit with parallel compressor, in a location with 20 °C of average external temperature

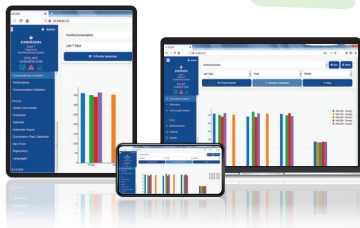


## iProRACK

Controller platform for transcritical booster racks



- Complete management of dual heat recovery, gas cooler by-pass, parallel compression and de-superheater
- High performance thanks to the evaporator overfeeding compatibility
- Warm climate solutions through parallel compression and the adiabatic function
- Increased compressor life by integrated oil injection management
- Safeguarding by gas leak detector compatibility
- High flexibility via a modular platform to satisfy any rack dimension



- Easier and faster access to information through the innovative web user interface
- Same rich user experience for PC, tablet and smartphone access
- Compatibility with ProAct Connect+ Enterprise Management Software



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