

iProRACK

SOLUTIONS for ADVANCED COMPRESSOR RACKS



The iProRACK family is designed for the management of compressor racks with up to 2 circuits and 12 compressors per circuit. It manages racks with standard refrigerants, CO₂ subcritical applications and transcritical CO₂ booster systems. The iProRACK directly controls the high pressure valves, heat recovery systems and parallel compression.

An intuitive and useful HMI is given by the Visograph 2.0 or Visotouch, which gives concise information about the variables of the compressor rack. The series comprises one model in 4 DIN format (IPR208D), two in 10 DIN format (IPR215D for standard applications and IPRC215D for CO₂ transcritical applications) and two expansion modules, (IPX206D and IPX215D). There is also the possibility to connect up to two XEV20D drivers for the stepper EEV management.



New functions

- Heat recovery for transcritical CO₂ rack
- Parallel compression for COP optimization
- Safety conditions for MT
- Liquid and hot gas injection valve management

New features

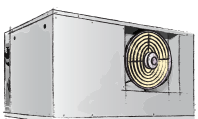
- Management of gas leak detectors
- Management of electronic fans or fans with inverter via ModBUS
- Coresense™ integration via ModBUS connection

CO₂

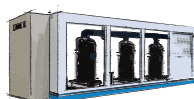
HFO

Available for

Condensing units



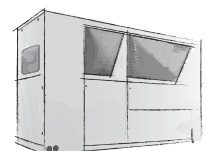
Compressor racks



Advanced compressor racks



Compressor packs



CO₂ Solution

TRANSCRITICAL SOLUTION-BOOSTER PLANT
with HEAT RECOVERY
& PARALLEL COMPRESSION



NEW
CO₂
FUNCTIONS

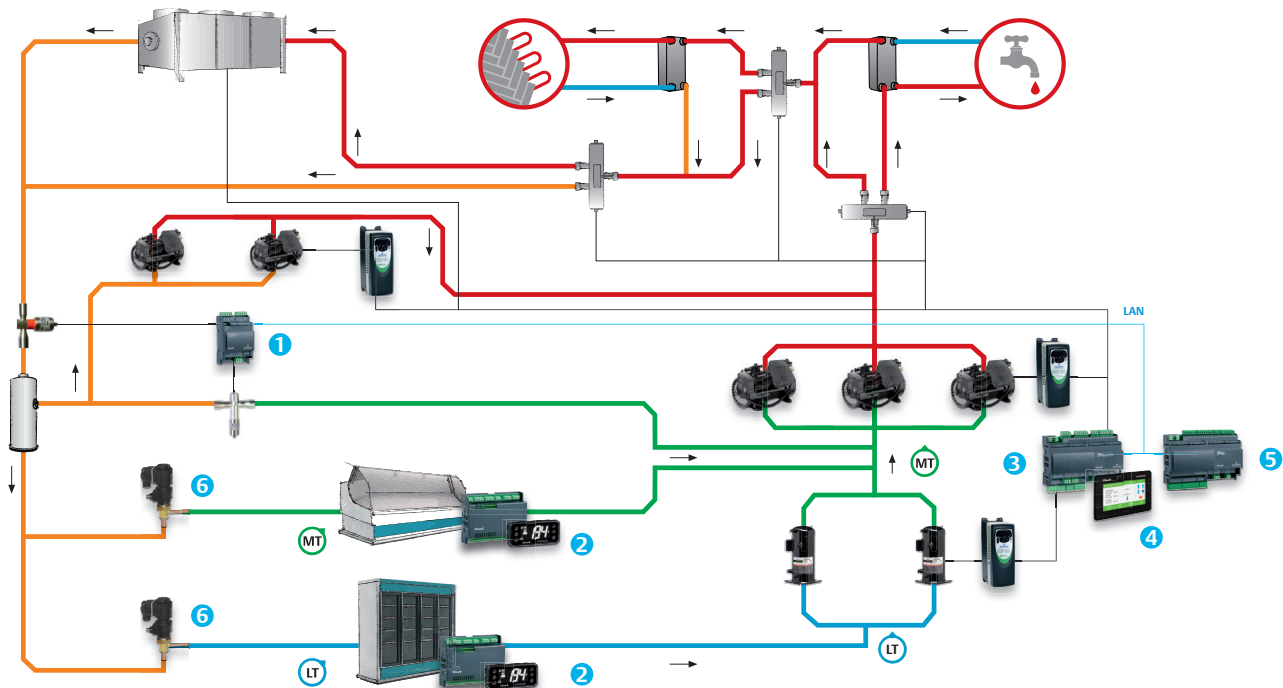


CO₂ advantages

- Natural gas (OPD=0 – GWP=1)
- Non-flammable
- Non-toxic
- Compatible with most common materials
- Cost effective
- High energy efficiency

Dixell solution advantages

- Easy to install
- Easy to adjust
- Cost effective
- High efficiency
- Complete for LT and MT



1 XEV20D: electronic expansion valve driver

2 XM600: cabinet controller

3 IPX215D: compressor rack controller

4 VISOTOUCH: touch screen display

5 IPX215D: expansion module

6 EX3: electronic expansion valve

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Dixell™



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