

## The UK's Premium Industrial CO<sub>2</sub> Refrigeration Solutions

- Industrial CO<sub>2</sub> Refrigeration
- Engineered & Built in the UK to the highest standards
- Two Year on site Warranty
- Market leading quality control
- Web connected controls
- Remote monitoring
- Wider system design services



**CO six** operates using Carbon Dioxide (CO<sub>2</sub>) as a refrigerant. CO<sub>2</sub> is a naturally occurring, non toxic and non flammable refrigerant. Whilst being an incredibly energy efficient, sustainable refrigerant, CO<sub>2</sub> is a highly effective working fluid and is perfectly suited to industrial capacity refrigeration applications.

**CO six** represents the largest capacity CO<sub>2</sub> refrigeration systems on the market today. Suitable for High capacity refrigeration applications such as CO<sub>2</sub> Spiral Freezers and CO<sub>2</sub> Ice Rinks. **CO six** is a highly flexible platform which is expertly engineered to your application.

### Standard equipment

- PFC Powder Coated Frame
- Parallel Compression
- Robust Industrial design
- Steel Discharge Headers
- Fully Serviceable Oil filtration
- Suction & Liquid Filtration
- High Capacity Compressor Inverters
- Lifting Eyes
- First Class Componentry
- High Capacity CO<sub>2</sub> liquid Receivers

## Technical configuration

- Evaporation Duties ranging from 250 kW to 2 mW
- Evaporation temperatures from -50°C to +10 °C
- **Combinations of Multiple DX suction temperature sections including:**

- Air Conditioning
- Chill
- Blast Chill
- Frozen
- Blast Freezer

### Available Variants:

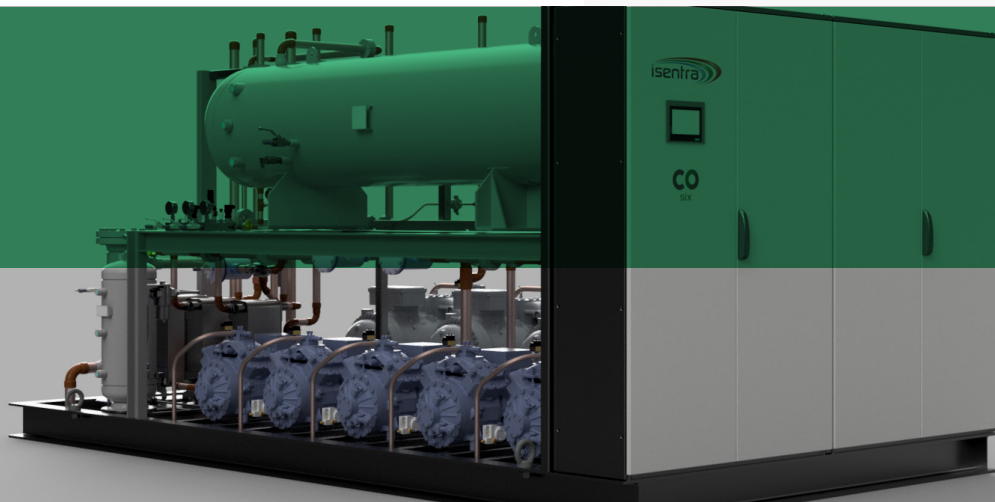
- Subcritical and Transcritical
- Air Cooled or Cooling Tower Integration
- Thermosyphon Glycol Chiller
- Flooded CO<sub>2</sub> Pumped wet return

## Technologies

- Parallel Compression
- Innovative Heat Recovery
- Full Heat Pump Mode
- Ejector Technology

## Other options available

- Hot or Saturated Defrost
- Suction Line accumulators
- Two Inverters Per Suction Section
- Suction Pressure Regulation
- Energy meters
- Back-up Control systems
- External IO signals



## isentra support services

- Fully supported from within the UK
- On site Commissioning
- Wider system Design Service
- Assistance with PED and site compliance
- Full Training available
- Bespoke PLC integration software
- Digital remote alarm monitoring
- Digital remote Control Optimisation

## CO six product applications

- Spiral Freezers
- Ice Rinks
- Blast Chillers
- Food Logistics and Warehousing
- Coldstores
- Food & Pharma Production Areas
- Glycol Chillers

