

HybridCO<sub>2</sub>OL Series CO<sub>2</sub> Cascade Parallel Compressor Racks

Product Benefits

- Compact equipment, small piping size, saving room space
- Highly efficient operation, saving 5%-10% energy annually compared to HFC racks
- Cost-effective refrigerant, low charging cost

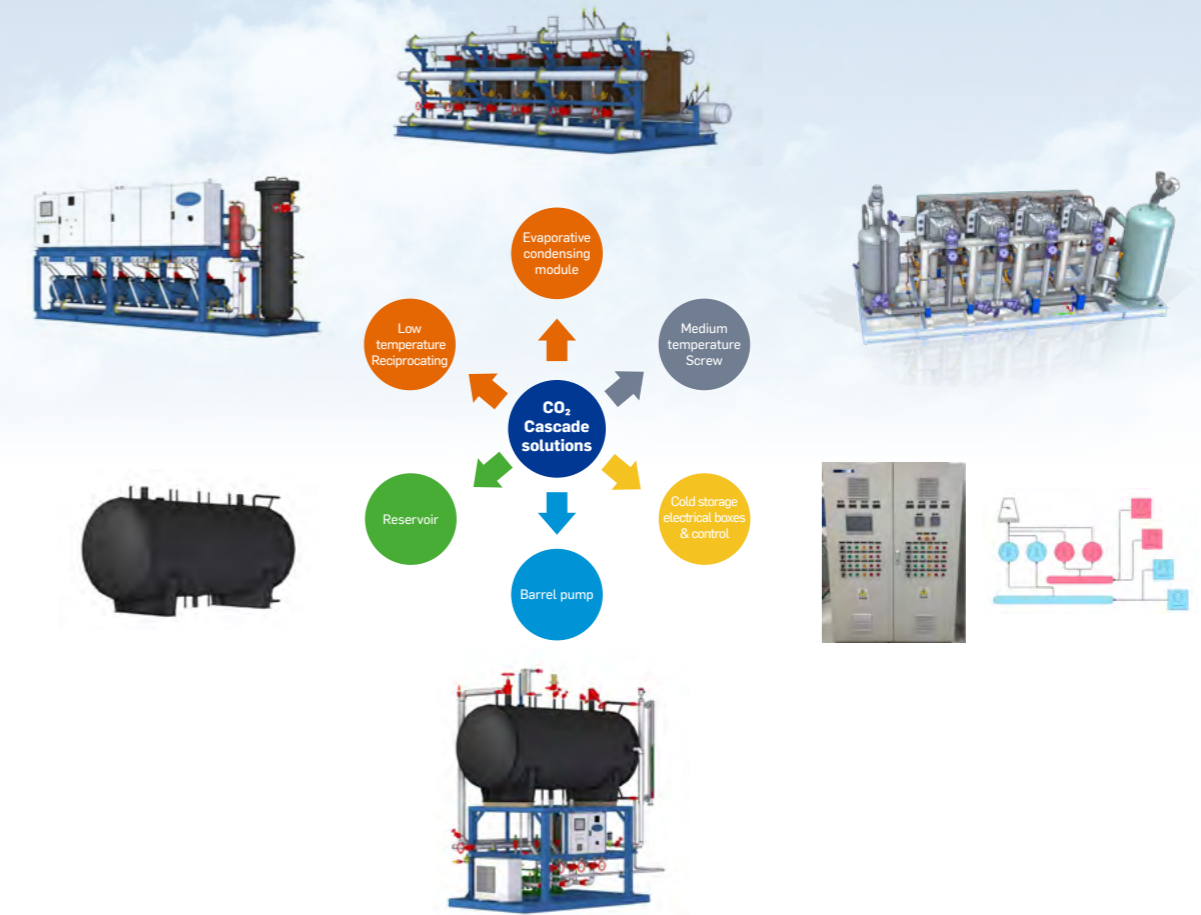


Benefits at a Glance

- Adopt the natural working medium CO<sub>2</sub>
- Compliant with EU F-Gas regulations, not subject to refrigerant phase-out regulations
- High CO<sub>2</sub> cooling capacity per unit volume, compact equipment, small footprint
- CO<sub>2</sub> has better heat transfer capacity and improves evaporating temperature by 2K, with higher energy efficiency
- A large cooling capacity ranges from 24 to 240 HP with 2 to 11 compressor heads
- The equipment is separately skid mounted, easy to install and maintain
- Able to be equipped with heat recycling; high comprehensive energy efficiency

\*GWP: Global Warming Potential, ODP: Ozone Depleting Potential

CO<sub>2</sub> Cascade Racks Configuration



We offer total design solutions:

- Cold storage refrigeration and electrical system design
- Cold storage electrical box and control system
- Evaporating temperature: -50 - -35°C
- CO<sub>2</sub>/HFC cascade systems
- Cold storage system commissioning
- Cooling capacity: 220kW - 1,320kW @SST-30, SDT-5°C

CO <sub>2</sub> Cascade Racks Configuration		
Configuration	HFC parallel racks, two- to six-parallel	Carlyle or Bitzer compressor
	Condensing and evaporating skid	400kW - 4,000kW
	CO <sub>2</sub> reciprocating compressor racks, two- to twelve-parallel	Dorin or Bitzer compressor
	Reservoir	2m <sup>3</sup> - 12m <sup>3</sup>
	Barrel pump skid	2m <sup>3</sup> - 12m <sup>3</sup>
	Options	Cold room electrical boxes
Water defrosting pump control box		
Machine room distribution box		
Miscellaneous	Based on specific applications and customer needs	