

Chart CO₂nnect



Integrated liquid
carbon dioxide
storage and
unloading system



Chart CO₂nnect (Patent Pending) is a fully integrated storage and unloading system for carbon dioxide. It incorporates all elements required for liquid CO₂ storage and truck loading and is supplied as a factory approved composite assembly complete with CE mark and associated certifications.

Chart CO₂nnect is the ideal solution for traditional CO₂ suppliers and distributors and facilities seeking to monetize CO₂ captured from CCUS and biogas upgrading.

Scope of supply

- Chart liquid carbon dioxide vertical storage tank
- Tank mounted unloading module incorporating fast fill liquid pump, couplings, flexible hoses and prewiring
- Gas control and safety system
- Fully automatic fill system
- Instrumentation including pressure and temperature transmitters and Flowcom precise flow metering technology

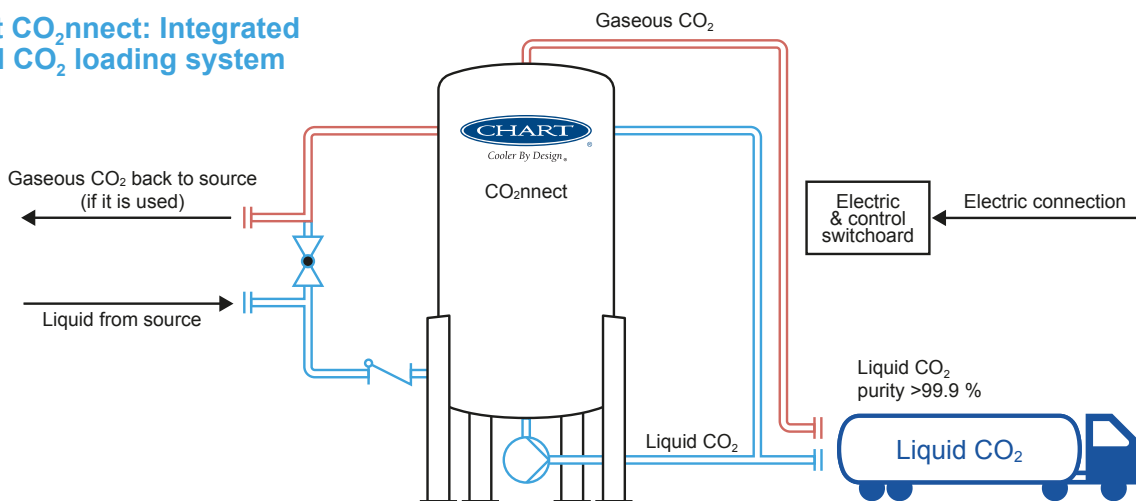
Principal features and benefits

- Compact dimensions reduce costs and time required for construction work
- Simplified transport – single unit
- Quick installation – typically within 2 days
- Optimized thermal design for minimal heat loss and reduced evaporation
- Optimal conditions for pump operation

Additional features and benefits

- Chart Vacuum Technology® – double walled tank with perlite insulation and 7-year vacuum warranty
- Simple concrete pad foundation
- Chart provides a complete mechanical and electrical installation, commissioning and start-up package
- Compatible with **Uptime** digital equipment performance optimization platform
- Actuated valves are fed with gaseous carbon dioxide from the system negating the need for a separate air compressor
- All works fully in accordance with the latest editions of applicable regulations and standards including Pressure Vessel Directive 2014/68/EU (PED)
- **Chart CO₂nnect** is fully relocatable and additional units can be added for capacity expansions

Chart CO₂nnect: Integrated liquid CO₂ loading system



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