

SOLVENO CB 12

Powered by Cold Jet

System Specifications

LIQUEFACTION CAPACITY	Up to 600Nm ³ /h CO ₂ gas Up to 2,619 lbs/hr (1188 kg/hr) Food Grade LCO ₂
DIMENSIONS <i>Length x Width x Height</i>	40 x 21 x 14.3 ft (12192 x 6438,4 x 4349,68 mm)
WEIGHT	27,557.8 lb (12.5 ton)
VOLTAGE & FREQUENCY	3 x 400V+N+PE, 50 Hz, TN-S
POWER	300 kVA
POWER CONSUMPTION	180 kWh / ton CO ₂
PRESSURE (CO ₂)	Incoming: 0 barg to 0.3 barg Outgoing: 18 barg
PRESSURE DEW POINT	-40°F (-40°C) or lower
REFRIGERANT	R744 (CO ₂)
AMBIENT TEMPERATURE RANGE	5°F (-15°C) to 95°F (35°C)
TEMPERATURE (CO ₂)	Incoming: -22°F (-30°C) to 131°F (55°C) Outgoing: -22°F (-30°C)
SETUP	1x 40 ft Container

OPTIONS

- **CO₂ Emissions Reporting Package (ESG)**
Ability to measure reduction in CO₂ emissions.

- **Services**
Preventive maintenance
Client-side Utilities, piping and electrical engineering support
Remote technical support



- **Increased Capacity**
System platform can be configured from 2204 lb/hr up to 9920 lb/hr (1000 kg/hr up to 4500 kg) upon request.



Large Volume, Sustainable
Carbon Capture in your Upgraded Biogas site

Key Features

Zero Methane Slip

No methane emissions thanks to our closed-loop system design.

High CO₂ Recovery Rate

A high CO₂ recovery rate is possible through our proprietary distillation process.

Fully Autonomous Operation

Simplifies processes with minimal user intervention.

Variable Throughput

Able to easily handle variations in feed flow.

Compact and Modular Design

Containerized units ensure ease of installation without extensive infrastructure requirements.

Ecological Refrigerant

R744 (CO₂), natural refrigerant, closed-loop liquefaction system.

Gas Dryer

Control the pressure dew point of the CO₂ gas before liquefaction.

Energy Efficiency Package

Reduce plant's energy consumption by +/- 10%.

Energy set free during liquefaction is recovered.