



SOLVENO CB 17

Powered by Cold Jet

Large Volume, Sustainable
Carbon Capture in your Upgraded Biogas site

System Specifications

LIQUEFACTION CAPACITY	Up to 850Nm ³ /h CO ₂ gas Up to 3,710 lbs/hr (1683 kg/hr) Food Grade LCO ₂
DIMENSIONS <i>Length x Width x Height</i>	40 x 28 x 14.3 ft (12192 x 8534,4 x 4349,68 mm)
WEIGHT	44,092.5 lb (20 ton)
VOLTAGE & FREQUENCY	3 x 400V+N+PE, 50 Hz, TN-S
POWER	500 kVA
POWER CONSUMPTION	180 kWh / ton CO ₂
PRESSURE (CO₂)	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 (CO₂)	Incoming: -22°F (-30°C) to 131°F (55°C) Outgoing: -22°F (-30°C)
SETUP	1x 40 ft Container 1x 20 ft Container

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.

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 / hr) upon request.