

DESCRIPTION

The CO₂Cage serves as the primary source of supply for up to six extractors with a capacity of 1,600 lbs of liquid CO₂. It provides a safe and convenient solution for constant pressure input levels needed for efficient extraction, and incorporates sixteen 100-pound liquid CO₂ cylinders, DOT certified, attached to a single manifold.

The CO₂Cage comes with supply lines to directly connect to the extractor, and it is easily filled on-site by connecting local supplier tank truck hose to an exterior fill valve. Load cell monitors constantly read the amount of CO₂ remaining, and replenishment alarms provide reminders of when to refill. You'll never lose a production day because of running out of CO₂.

On-board electronics, monitors and sensors feed usage data to the touch-panel display for easy operator control. Storage tanks are safely enclosed in a steel cage, while CO₂ alarms constantly monitor the airspace in and around the CO₂Cage.

The typical configuration for smaller production lines is one CO₂Cage for each extractor. For larger production lines with three or more extractors, the CO₂Cage can be configured with the MPCart step-up pump to use outdoor bulk tanks as the supply source resulting in fewer CO₂ deliveries and lower CO₂ prices. In this configuration, the CO₂Cage serves as the "brain" for the MPCart, automatically turning the pump on and off at present levels to keep the CO₂Cage full.



FEATURES

-  **CO₂ Microbulk Supply**
-  **HMI Monitoring of Pressure, CO₂, and Temperature**
-  **Audible & Visual Alarms for Out of Specification Parameters**
-  **Automated Fluid Conditioning & Monitoring**
-  **Contact Closure & Enclosed System for Automated Venting**
-  **On Board CO₂ Gas Monitoring for Leaks**
-  **Fill By Weight From Bulk Tank or Mobile Truck**

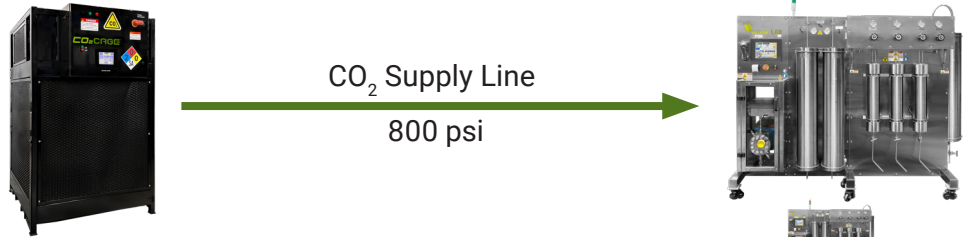
MPCART™ Step-Up Pump for CO₂Cage

The MPCart is a step-up CO₂ pump mounted on a movable cart that is integrated with the operating functions of the CO₂Cage. It draws CO₂ from outdoor bulk storage tanks at 300 psi, and steps the pressure up to 800 psi to keep the CO₂Cage full.

The MPCart is controlled by the electronics and touch screen display on-board the CO₂Cage for automated replenishment. It comes with 120 feet of CO₂ hose and power cabling that connects to the CO₂Cage for maximum versatility in factory floor placement.

CO₂ Supply Configurations

Smaller Production Lines



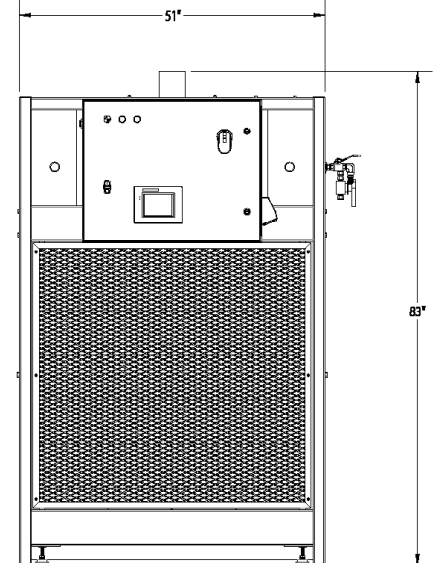
Larger Production Lines



SPECIFICATIONS

CO ₂ Cage			
ATTRIBUTE	VALUE	ATTRIBUTE	VALUE
General Specifications		Electrical Specifications	
Dimensions (in)	L51 x W62 x H83	Active Heating (Infrared, W)	3,000
Unit Weight (lbs)	4,200	Certifications, Listed	UL 508A, CSA, cUL, and CE
Alarms	Audible, Visual Alarms	E-stop; Thermal Switches	Standard
Compliance	NFPA 55 Compliant	Frequency (Hz)	50/60
Environmental	Indoor Use Only	Full Load Amps (amps)	24
Filling Method	Ventless, AIGA 069	Phase	3
HMI	Touchscreen	Voltage (VAC)	208-230/380
Inlet Fitting (male)	CGA 320	Warranty	
Insulation	R10	Duration (months)	12
Leak Sensor	CO ₂ , NIST Traceable	Quality and Labor	Parts & workmanship
Load Cells	Automatic Tare, Trending, Alarms	SOLD SEPARATELY:	
Max Fill (lbs)	1,600	MPCART #10-0020 (208-230V) #10-0098 (380V)	
Mobility	Not for transportation	electronic MPCART #10-0131 (208-230V) #10-0155 (380V)	
		#80-9608 GMP Equipment Commissioning & Training Package	
		#80-9606 GMP Equipment Documentation Package	
		#80-9609 Maintenance Package (12 months)	

LINE DRAWING



To Order:
CO2 CAGE #10-0009 (208-230V) 1ph | #10-0097 (380V) 1ph



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