Carbo-Series Bulk CO_2 Storage System with VaporMan 125®

The **VaporMan 125**® is a compact modular vaporizer used in conjunction with Chart high flow CO_2 tanks to provide warm CO_2 gas to the point of use. It enhances the high flow from the tank's internal vaporizers and provides attachment points to connect either a single tank, or multiple manifolded tanks.

Chart high flow CO_2 tanks utilize internal vaporization coils to achieve flows ranging from 40 - 125 lb/hr.

The VaporMan 125 kit comes with two vaporizers (one series and one parallel), a manifold for connecting the tanks, a stand, hoses, and all of the fittings needed to manifold the tanks. The CO_2 tanks are not included in the kit.

CO_2 & N_2 Selection Guide

	Carbo-Series			Perma-Cyl®				VSCO₂ *(2)*
	Carbo-Mizer® 750	Carbo-Max® 750	Carbo-Max® 1000	Perma-Cyl® 1000 HP	Perma-Cyl® 1500 HP	Perma-Cyl® 2000 HP	Perma-Cyl® 3000 HP	VSCO₂ 6 Ton
Service								
CO_2	X	X	X	X	X	X	X	X
LN_2				X	X	X	X	
Dimensions								
Diameter	26"	26"	30"	42"	48"	48"	59"	68"
Height	68"	68 "	72"	81"	91"	117"	122"	188"
Storage Capacity (Net)								
CO_2 SCF	6900	6900	8741	19960	29340	38048	52954	112300
CO_2 Liters	353	353	447	1020	1500	1945	2707	5740
CO_2 Pounds	789	789	1000	2283	3357	4353	6058	12800
LN_2 SCF				24350	35790	47847	66592	137000
LN_2 Nm^3				689	1013	1257	1750	3870
Gas Delivery Rate (continuous)								
SCFH	87	131	262	320	450	450	450	1320/3310
Lbs/Hr	10	15	30	37	51	51	51	150/375
Gas Delivery Rate (Tested Peak Flow)								
SCFH		350	524	524-699	524-699	1093	1093	1320/3310
Lbs/Hr		40 *(1)*	60	60-80	60-80	125	125	150/375
Tank Pressure (psig)		150	150	300	300	300	300	300
Consecutive Hours		12	12	12	12	12	12	24
Standard Design Features								
MAWP/ASME (psig)	300	300	300	350	350	350	350	350
Internal Pressure Builder	X		X	X	X	X	X	X *(3)*
Internal Economizer		X		X	X	X	X	X

Notes:
(1) Carbo-Max 750 can achieve flows up to 40 lb/hr, in up to 12 hours continuous use. At these higher flow rates, outlet temperatures may be lower than freezing (32°F), without adding external vaporization.
(2) Larger models, horizontal models, and bulk LN_2 service also available.
(3) External electric system.

Perma-Cyl® MicroBulk Storage System

VSCO₂ Bulk Storage Tank

Chart Inc.
U.S.: 1-800-247-4446
Worldwide: 1-952-758-4484
Website: www.chartbeverage.com

CHART®
Innovation. Experience. Performance.

PN 20688751
Order Parts: www.chartparts.com
Doser Info: www.chartdosers.com

Bulk CO_2 & N_2 Provide The Perfect Pour™

Brew Pubs & Micro-Brews

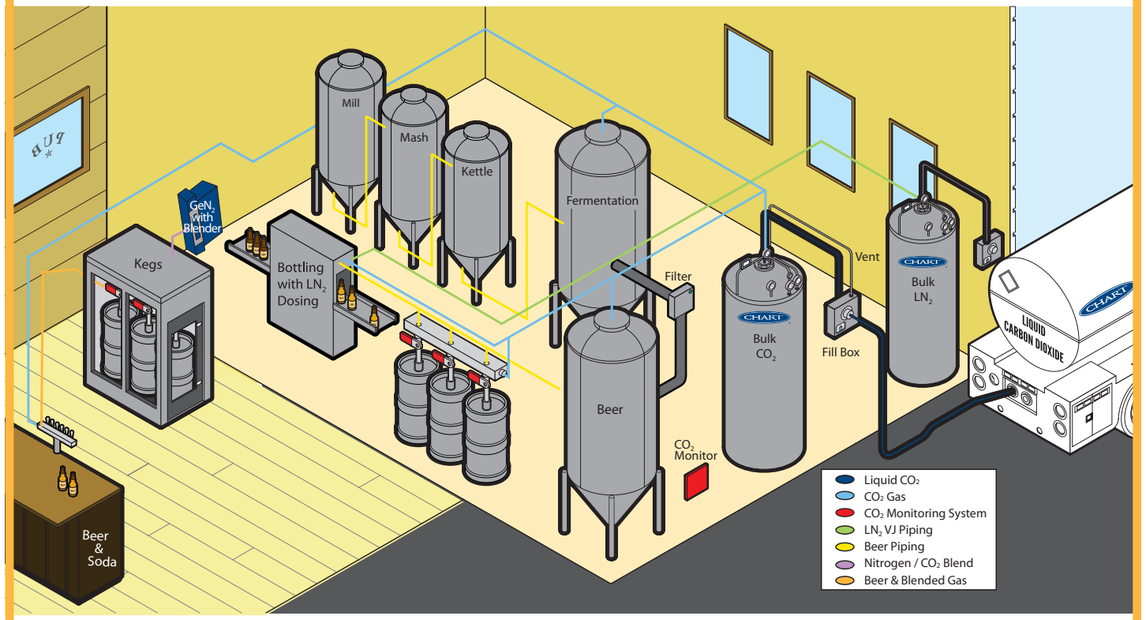
Bulk CO_2 & LN_2 systems provide a wide range of high capacity, high flow rate beverage grade CO_2 & LN_2 for establishments from the smallest brew pub to full-scale breweries.

www.chartbeverage.com
1-800-247-4446

CHART®
Innovation. Experience. Performance.

Brew Pubs & Micro-Breweries

Bulk CO_2, N_2 & On-Site Blended Beer Gas



- ✓ **Gas Purging**
- ✓ **Keg Filling**
- ✓ **On-Site Blended Beer Gas**
- ✓ **Soda Carbonation**
- ✓ **LN_2 Dosing for Bottles**
- ✓ **N_2 Bottle Sparging**

Benefits:

- Every pint is dispensed at brewery quality.
- Better presentation with longer lasting head.
- Kegs stay fresher and properly carbonated.
- No more waiting for foamy beer to settle.
- Less wasted beer down the drain from over-carbonation.
- Continuous CO_2 supply eliminates flat drinks.
- Replaces high-pressure gas cylinders with a low-pressure system.
- Reduces CO_2 use or reliance on expensive pre-mixed beer gas.
- Replace the widget with LN_2 dosing for nitrogenated beer.
- LN_2 dosing reduces Total Package Oxygen (TPO) for longer shelf life.
- Fewer cylinders mean better use of valuable space.
- No gas cylinders to exchange and inventory.

Common Installations:

- Brew Pubs
- Micro-Breweries

CHART BEVERAGE SYSTEMS BENEFITS

Bulk CO_2			
CONVENIENCE	**QUALITY**	**SAFETY**	**SAVINGS**
Eliminate high-pressure cylinder change-outs and gas outages during peak rush periods. Enables a better use of employees and storage space.	Uninterrupted flow of CO_2 eliminates flat drinks and ensures proper drink calibration. Perfect beverage dispensing presentation increases customer satisfaction and eliminates complaints of poor taste and flat beverages.	Gas stored at low operating pressure, plus zero cylinder handling, reduces job-related injuries.	Save on labor, lost residual gas and operational costs associated with the high cost of high-pressure cylinders. Eliminate liquor and syrup waste due to repours from flat drinks.
	Bulk LN_2		
Eliminate high-pressure beer gas exchanges. McDantim® beer gas mixers required for on-site beer gas.	Quality draft beer requires a precise, consistent supply of nitrogen and carbon dioxide. Bulk nitrogen supply coupled with a Carbo-Mizer Bulk CO_2 tank is the ideal system to provide the correct blended gas mix on-site to achieve the perfect pour.	Gas stored at low operating pressure, plus zero cylinder handling, reduces job-related injuries.	Save on labor, lost residual gas and operational costs associated with the high cost of high-pressure cylinders. Eliminate beer waste due to bartender pre-runs and repours from customer complaints.