



CARBO-NATION NEWS



MVE Beverage Systems



A Chart Company

Volume 6, Issue 2

Quick Links

- [Beverage Product Manuals](#)
- [Beverage Technical Service Bulletins](#)
- [D&S Marketing Services Website](#)
- [Beverage CO2 Website](#)
- [Chart D&S Website](#)
- [Chart Parts](#)
- [Chart Repairs](#)
- [Chart Inc. Website](#)
- [Chart Steel Surcharge List](#)



Chart High Flow CO₂ Tank Performance

Chart Carbo-Max™ 750 and 1000, along with the Perma-Cyl® series of CO₂ tanks, are designed to achieve high flows in the 40 to 125 pounds-per-hour range using internal vaporization coils and high-flow regulators. They are proven to deliver this industry-leading flow performance when tested under these conditions for applications like microbreweries, commercial water treatment plants, controlled greenhouses, and large sports arenas. In fact, recent testing by Chart verified that they could sustain their flow rates for up to 12 hours without degradation in flow rate or a significant drop in tank pressure.

Consult the updated [Chart High-Flow Bulk Carbon Dioxide Tanks Selection Guide](#) to see the flow rates that best suit your application.

Dimensions	Carbo-Max™ 750	Carbo-Max™ 1000	Carbo-Max™ 1500	Perma-Cyl® 1000 HP	Perma-Cyl® 1500 HP	Perma-Cyl® 2000 HP	Perma-Cyl® 3000 HP
	Diameter (inches)	26	26	30	42	48	48
Height (inches)	68	68	72	82	88	112	112
Storage Capacity							
SCFH	4800	4800	6761	9900	10400	8800	10000
Lb/Day	353	353	447	1000	1000	1945	2707
Flow/Day	789	789	1000	2382	2357	4332	6008
Gas Delivery Rate (Standard)							
SCFH	47	135	262	300	400	450	400
Lb/Day	13	32	38	32	51	51	31
Gas Delivery Rate (Peak)							
SCFH	133	200	324	324-699	324-699	1093	1093
Lb/Day	13	40	68	68-130	68-130	125	125
Vaporizer Capacity (Lb/Day)	40	60	60	60	60	125	125
Tank Pressure (PSI)	125	125	125	200	200	200	200
Compressive Month	12	12	12	12	12	12	12
Standard Features							
Model 750-200 PSC	X	X	X				
Model 1000-200 PSC				X	X	X	X
Internal Pressure Indicator				X	X	X	X

Get To Know Us!!!

Cathy Bartusek Global Service Administrator

Cathy started her career at Chart in 1986 serving as a Customer Service Rep for Medical Products before taking some time off to raise her children. We were excited when she returned to Chart New Prague in 2000 to be part of the MVE Bulk CO₂ Customer Service Department as a Global Service Administrator.



Cathy, who was born and raised in Minnesota, is married, has two grown children, and is soon to become a grandmother for the first time! Her son

Introducing VaporMan 125



Chart VaporMan 125

The recent performance testing of Chart's high-flow CO₂ tanks led to the development of Chart's newest offering, VaporMan 125, a compact, modular, two-stage manifold vaporizer system designed to rapidly warm the cold vaporizer gas from high-flow tanks to near ambient temperatures for delivery to the end-use point.

The VaporMan 125 also will come with an integral manifold, making it easy to correctly connect single or multiple tanks as required.

Watch for more information on this product which will be

is following in her footsteps as he just started his career with Chart.

In her limited spare time, Cathy enjoys watching movies and spending time with her family. She says she tries to keep in mind a saying her father used often when she was a child: Treat others the way you want to be treated. *She added that, since he had nine children, he probably just said that so he could have some peace and quiet ... occasionally.*

Cathy likes working with the beverage product line because it services a "fun" market. She also enjoys interacting with the Chart D&S beverage customers and a "good group" of Chart sales people.

Cathy.Bartusek@chartindustries.com

Have a question about a product or your order?

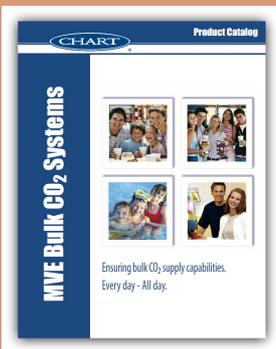
Call Customer Service at:
800.247.4446

NEW Chart Video

If you are interested in learning more about Chart as a whole and its rich history, we have a new video available. To view it, click on the picture and feel free to forward it to others who may benefit from its viewing.



Updated Product Catalog



**CLICK PICTURE TO
VIEW OR PRINT**

**CLICK HERE TO
REQUEST A COPY**

available for purchase this Fall.

Carbo Tip of the Quarter Normal Evaporation Rate (N.E.R.)

by Jeff Wick, Technical Service Representative

Every tank consists of an inner vessel and an outer vessel, much like a giant thermos bottle. The space between the two vessels contains insulation in a vacuum to minimize the entry of unwanted heat into the liquid carbon dioxide stored in the inner vessel. However, due to the support structure for the inner vessel and the piping of the unit some heat enters the liquid. So, every tank has a natural heat leak which causes the pressure to rise in the tank when it is not in use. This is called the Normal Evaporation Rate (N.E.R.) of the tank. If the tank has an optimal vacuum, there are no leaks in the plumbing, and all the valves are closed, the average pressure rise in the tank may be between 12 to 15 psi per day and still be within the unit's specifications. If you have any questions, call Chart's Customer Service Department at **800.247.4446**.



UPCOMING CHART EVENTS

Oct 1-2 Chart Beverage Tech Training, Ball Ground, GA

UPCOMING TRADE SHOWS

Oct 1-2 World Waterpark Assoc, W Palm Beach, FL (Booth 537)

Oct 13-15 NACS, Atlanta, GA (Booth 6423)



Try it FREE today.