



®

# CARBO-NATION NEWS



## MVE Beverage Systems



A Chart Company

Volume 6, Issue 1

### Quick Links

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



## Chart 2013 Beverage Distributor Meeting May 1-3 - Fort Worth, TX



We are rounding up the cowboys and cowgirls for the **2013 Chart MVE Beverage Distributor Meeting** being held **May 1-3** at the **Omni Hotel in Fort Worth, Texas**. The agenda includes informational meetings, engaging speakers, and fun activities. Below is a link for the meeting brochure, including the

complete agenda. If you have any questions, want more information, or still want to register, please use this link to contact [Cathy Dols](#).

[Chart MVE Beverage Distributor Meeting Brochure](#)

## Carbo-Max™ Series Tanks Support High Flow CO<sub>2</sub> Applications

The Carbo-Max™ 750 and 1000 Bulk CO<sub>2</sub> tanks are capable of supporting high flow rates necessary for high volume users such as microbreweries, brew pubs, cineplexes, stadiums, and pH control for pools and water parks. Recent testing by Chart has shown that the Carbo-Max™ 750 can flow up to 40 lbs/hr and the Carbo-Max™ 1000 up to 50 lbs/hr for up to 12 hours of continuous operation. Additional vaporization piping may be required to warm the CO<sub>2</sub> gas to near ambient temperatures. These high flow tanks support multiple CO<sub>2</sub> applications in microbreweries such as tank purging, product transfer, carbonating, kegging, bottling, and beer dispensing.



## Get To Know Us!!!

### Linda Higginbotham Global Service Administrator



Linda started with Chart working as an administrative assistant in the customer service department in 2000, she moved into a GSA position for Chart's Industrial Gas Products in 2010, and into her present position as Beverage Products GSA the beginning of

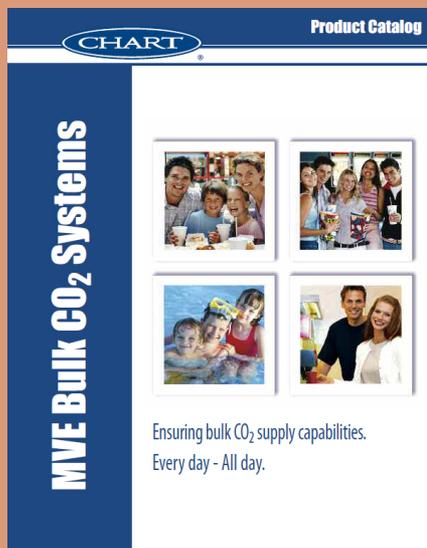
2012. Although born in the Bronx, NY, and having lived in PA, VA, FL, SC, and RI, she has spent the majority of her life as a Minnesotan and works out of the New Prague office.

Linda has two grown daughters (one lives in Texas

and one in Minnesota), a cat named Pumpkin, and enjoys reading novels, walking, and travel. One of her favorite sayings is, "You never know what you can do until you have to do it!" Linda loves the "family feeling" at Chart and interacting with Chart's customers. If you are attending the upcoming Beverage Distributor Meeting in Ft. Worth, she would like to get to know you also!

[Linda.Higginbotham@chartindustries.com](mailto:Linda.Higginbotham@chartindustries.com)

## UPDATED MVE Bulk CO<sub>2</sub> Product Catalog



[CLICK PICTURE TO VIEW OR PRINT](#)  
[CLICK HERE TO REQUEST A COPY](#)

## Questions?



Have a question about a product or an order? We're ready to help! If you can't find what you are looking for, call:

Chart bulk CO<sub>2</sub> systems provide an efficient, safe, and cost effective means of reliable CO<sub>2</sub> supply for these high flow applications. Contact your Chart Customer Service representative at 800.247.4446 for more information on high flow capabilities.

[CLICK HERE TO VIEW CARBO-MAX 750 HF SPEC SHEET](#)

[CLICK HERE TO VIEW CARBO-MAX 1000 HF SPEC SHEET](#)

## Carbo Tip of the Quarter Preventing Dry Ice Conditions in Liquid Carbon Dioxide Tanks by Jeff Wick, Technical Service Representative

Pressure is critical in liquid CO<sub>2</sub> tanks to maintain the CO<sub>2</sub> in liquid form, if the pressure reaches the triple point of 60.4 psig it can be in three different states simultaneously. It can be a gas, liquid, and a solid in the same container at the same time. If the pressure falls below the critical point of 60.4 psig the liquid will begin to turn



into dry ice. When the pressure in the tank reaches 0 psig the contents inside will become one solid block of dry ice. Thawing a frozen tank is a long process of re-pressurizing the inner vessel with constant warm gas pressure to convert the dry ice back to liquid form. Evaluating what caused the pressure in the tank to drop and correcting those issues should be completed before any attempt is made to re-pressurize the tank. Common causes of pressure drops in tanks include:

- High demand / overdrawing the tank pressure
- Leaks from fittings, valves, hoses, or regulators
- Incorrectly manifolded tanks

Once the CO<sub>2</sub> has been successfully converted back to 100% liquid, it should be removed from the tank and the float gauge and inner piping inspected for damage. Dry ice formation and re-liquefaction in a pressure vessel can sometimes result in internal damage.



## UPCOMING CHART EVENTS

May 1-3 Chart Beverage Distributor Meeting  
Omni Hotel, Fort Worth, TX

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

## UPCOMING TRADE SHOWS

May 18-21 Nat Restaurant Assoc, Chicago (Booth 1837)

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

Oct 13-15 NACS, Atlanta (Booth 6423)



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