



Safety Bulletin

Component Inspection

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Date:

September 17, 2007

Subject:

Pressure Relief Assembly /
Inspection and Service.

Products Affected:

Chart Beverage Systems
CO₂ storage vessels
Carbo "Mite" 200, "Charger" 300,
and "Mizer" 450.



Pressure relief vent tube assembly on CO₂ storage vessel.
(Arrows indicate compression fitting connection.)

Description:

Chart has discovered a potential service and safety issue with the vent tube of the pressure relief assembly installed on Chart Beverage CO₂ storage vessels manufactured between May 1, 2006 and January 1, 2007. The compression connections holding the vent tube may have not been properly tightened on some vessels. **If the tubing is not completely secure, and if one or both of the relief valves in the vent circuit activate, sudden pressurization may cause the vent tube to dislodge from its connections and injure a bystander.**

The vent tube component of the pressure relief assembly on Chart Beverage Systems CO₂ storage vessels is attached between a brass tee and elbow as seen in the picture above. It is secured at each end by tightening a 3/8" brass nut on the compression fitting. **CO₂ storage vessels that were manufactured within the period of May 1, 2006 to January 1, 2007 must be inspected immediately for tight vent tube connections and corrected, if necessary, to avoid malfunction or injury.** Follow the inspection procedure and corrective action described on page 2 of this bulletin to ensure that vent tubes are properly tightened. If you have concerns or questions relative to a vent tube pressure relief assembly, please contact your Chart Technical Service Representative at 800-253-1769 or 952-758-4400.



Beverage Systems

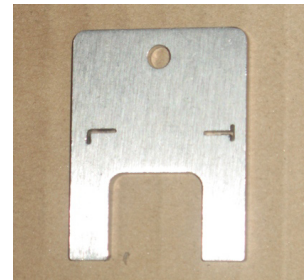
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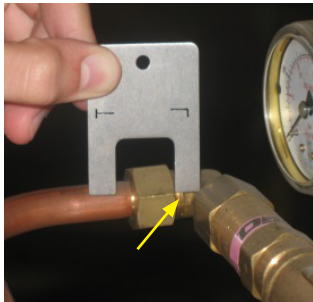
Procedures for inspecting pressure relief vent tube connections and correcting insecure vent tube connections:

- 1) Visually inspect the pressure relief valve assembly.
- 2) If signs of CO₂ leakage exist through the compression fittings at either end of the tube, proceed to step 5. If no product leakage is apparent, continue to step 3.
- 3) Using the spacing gauge (P/N 13744439) shown in picture 2, check for proper fitting tightness. Use the calibrated legs marked “L” for the elbow and “T” for the tee fittings to check the space between the nut and the fitting body.

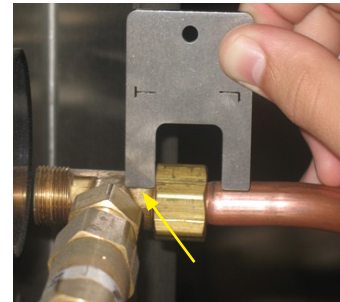


Picture 2
(Spacing Gauge P/N 13744439)

- 4) The spacing gauge is a “NO-GO” gauge; if the nuts are tightened properly the gauge **cannot** be inserted between the nut and the valve body as seen in pictures 3 and 4.

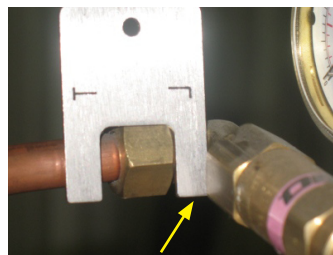


Picture 3 (Proper Elbow Spacing)

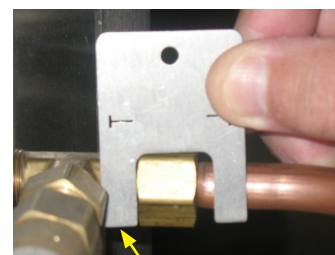


Picture 4 (Proper Tee Spacing)

- 5) If the gauge can be inserted between the nut and the fitting body as shown in pictures 5 and 6, the nut has **not** been tightened properly. Use a wrench and tighten the nut 1/2 turn. Check the gap again using the appropriate gauge “leg” and repeat the procedure if necessary.



Picture 5 (Improper Elbow Spacing)



Picture 6 (Improper Tee Spacing)

- 6) When both fittings are properly tightened **mark them to identify them as inspected.**