



*Beverage Systems*

## *Technical Service Bulletin*

### *Component Change*

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***Date:***

January 25, 2001

***Subject:***

Rupture disc modification for  
McDonald's bulk Coca Cola™ syrup tanks.

***Tank Models Affected:***

All new MVE bulk syrup storage tanks and  
existing tanks requiring rupture disc replacements  
due to disc rupture or local code requirement.

***Description:***

A rupture disc is a replaceable protective component of an MVE (McDonald's) bulk syrup storage tank. It is designed to burst under pressure within a range from 82 to 87 psi thereby protecting the tank from over-pressurizing. An increasing number of state and local jurisdictions are requiring the rupture disc to carry a "UD" stamp indicating that it is ASME certified. To accommodate this requirement the rupture disc is now constructed as a threaded stainless steel assembly which, along with a Teflon™ gasket, screws into the rupture disc holder on the tank. (The original rupture disc retainer cap screws into the "head" of the new rupture disc assembly to protect the disc from potential external effects.) The new rupture disc assembly is packaged as a kit (P/N 11508969) which includes the Teflon gasket and instructions for installing the assembly. It replaces the flat rupture disc (P/N 1911641) which is no longer available.

**Note: Before replacing a ruptured disc determine and correct the cause of high pressure in the bulk syrup tank. Possible causes are:**

- a faulty or improperly set CO<sub>2</sub> supply regulator.
- a pressure surge due to the use of only one regulator in the CO<sub>2</sub> supply line.
- high pressure from the syrup delivery tank.
- improper pressure from emergency CO<sub>2</sub> source or air pressure line.
- tampering.

If you have concerns or questions relative to this action, please contact your Chart Technical Service Representative at 800-253-1769 or 952-882-5000.

Thank you for depending on Chart to provide high product quality and service.

