



**MARMON**  
Foodservice  
Technologies

A BERKSHIRE HATHAWAY COMPANY

## TECHNICAL SERVICE BULLETIN

**Product:** Cornelius Viper

**Subject:** Proper Operation of the Purge Process and its impact on Expansion Tank

**Date:** 6/30/2021

### Description of Potential Issue:

During PURGE operation, it is possible to over pressurize the Product Delivery system, leading to Expansion Tank leaks.

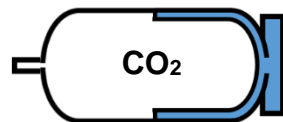
### Serial Number Range Affected:

All serial numbers

### Cause:

Over pressurization of the Product Delivery system described below:

1. Leaving the unit in PURGE with the dispense valve closed for 20-30 seconds or longer can invert the expansion tank bladder.
2. Repeated inversions can cause the expansion tank bladder to tear, leading to a leak.



Bladder in Normal Position



Bladder Inverted

### Observations:

Improper operation of Purge Process may lead to leaking Expansion Tank. A leaking expansion tank can lead to over pressurization of the barrel as well as product leaking from the expansion tank regulator.

### Corrective Action:

Always hold the dispense valve open during PURGE to prevent over pressurization and expansion tank leaks.

### Conclusion:

Dispense valves should always be held open during PURGE. Replace the expansion tank if a leak is detected.

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Expansion Tank\_2021\_Viper\_TSB3 [www.cornelius.com](http://www.cornelius.com)