

# Maintain product quality and decrease bottle weight

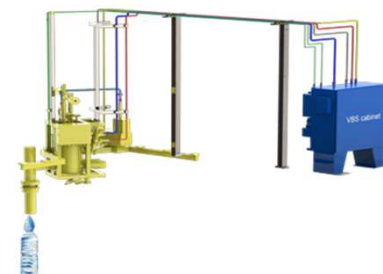
## N2 Drop Upgrade Kit

### VALUE AND BENEFITS

- **Avoid product oxidation** by precise nitrogen dosing at all line speeds
  - High-speed liquid nitrogen dosing valve with the lowest liquid nitrogen consumption
  - High-efficiency vacuum insulation
  - Dose compensation allowing for fine adjustments of dose amount and timing during operation
  - PLC controls with touch screen panel for ease of operation
  - Consistent pressure in every container
- **Decrease bottle weight**
  - Raw material savings
  - Up to 1g for 0.5L bottles
  - Up to 2.5g for 1.5L bottles

### DESCRIPTION

- A precisely timed drop of liquid nitrogen is dosed into the headspace above the beverage in a bottle/can after filling and before sealing/capping. The cold liquid nitrogen ( $-196^{\circ}\text{C}$ ) turns into nitrogen gas at room temperature and expands rapidly. Since the bottle is capped at a certain time after dosing, this process creates a defined internal pressure in the bottle/can.
- The Nitrodose system has been developed to meet these requirements and to cut cost at the same time by providing a precise charge of liquid nitrogen.



Value: Product Quality  
Equipment: Aseptic fillers (FMa)  
Catalogue code: SP003