

LIQUID NITROGEN DOSING

CHALLENGE

- Pressurize for package stability
- Inert for O₂ reduction

SOLUTION

The legalization of medical and recreational Cannabis has led to the explosive growth of Cannabis in beverage form. Non-carbonated beverages in cans or lightweight PET bottles require added pressure for transport and handling. Adding a drop of liquid nitrogen to the headspace, after filling, provides the package with the needed rigidity for handling.

HOW LIQUID NITROGEN DOSING WORKS

- A small, precise droplet of LN₂ is dispensed into a can
- The LN₂ vaporizes, expanding to fill the headspace
- Seaming the can traps the expanding nitrogen gas, pressurizing the can

ADVANTAGES OF USING LIQUID NITROGEN

- Nitrogen is inert – will not react with product
- Versatile – can be used in many different packaging applications
- 78% of atmosphere is nitrogen – readily available and safe