

# CRYOVAC®

BRAND FOOD PACKAGING

## Vertical Form-fill-seal Bag-in-box Solution

The CRYOVAC® brand vertical form-fill-seal (VFFS) bag-in-box solution delivers faster production speeds than traditional bag-in-box and enhances product protection with a hermetically sealed package which remains intact until the pierce by an innovative tap technology at the initial point of consumption.



## BENEFITS



### Operational Efficiency

- High product yield
- Flexibility in package size, same equipment and film produces multiple package size options
- Rolled film optimizes shipping and storage space



### Product Integrity

- Secure, high-integrity seals are designed to survive the demanding rigors of rough handling and distribution
- Headspace free packages are available in a wide range of barrier properties to help protect and extend product life
- Film delivers robust protection against unwanted punctures and abrasions
- Innovative tap technology allows for hermetically sealed package to remain intact until the point of consumption, protecting product integrity longer than traditional bag-in-box solutions
- Re-closable fitment reduces the chance of spills and product waste
- Solution keeps product fresh after initial consumption
- Product-to-package ratio minimizes excess packaging



### Brand Experience

- Produces positive consumer experience thanks to optimum taste and freshness being maintained
- Delivers consistent performance to drive brand loyalty
- Create a striking presentation with an expanded printable footprint on box allowing for additional real estate to communicate effectively to consumers vs bottles

## CHALLENGE

In today's competitive environment your packaging solution needs to work harder than ever. Optimized operational performance is a must while also protecting your brand by giving consumers the convenience, freshness, and consistent experience they desire. Achieving your organization's goals around efficiency, protection and customer engagement all while meeting your customer's expectations is now more important than in the past.

## SOLUTION

CRYOVAC® brand vertical form-fill-seal (VFFS) bag-in-box stands out from traditional bag-in-box solutions. With over 35 years of innovation and development experience in flexible liquid packaging equipment and materials we have delivered a disruptor to the format. The CRYOVAC® brand VFFS bag-in-box solution is a hermetically sealed package with an external fitment that delays the time of puncture until consumer consumption, allowing for extended shelf life and freshness. This external fitment allows consumers to dispense product at a push, minimizing spillage and waste.

CRYOVAC® brand dispensing pouches with external fitments are made exclusively on our DS3002 flexible dispensing system. The DS3002 is a VFFS system that is engineered to double the throughput of traditional bag-in-box solutions by producing finished packages from 1.5 – 4L at packaging speeds up to 35 ppm.

## Vertical Form-fill-seal Bag-in-box Solution



Shown: Fitment in pre-pierce position

### SUSTAINABILITY

- Produces a lower carbon footprint through increased shipping efficiencies when compared to rigid alternatives

### MATERIAL

- Available in an assortment of gauges and permeabilities to match your product needs
- Equipment can produce final packages from 1.5 - 4L
- Fitment enables the end user to effortlessly open and re-close as needed, allowing for easy dispensing of product



Shown: VFFS bag-in-box solution

### EQUIPMENT

CRYOVAC® brand dispensing pouches with external fitments are made exclusively on our DS3002 flexible dispensing system

- DS3002 VFFS Flexible Dispensing System
  - Can produce finished packages from 1.5 - 4L at packaging speeds up to 35 ppm



Shown: DS3002 VFFS flexible dispensing system

### APPLICATIONS

- Ideal for liquid applications such as wine, wine based cocktails and other beverage products

### OTHER SERVICES

#### ■ SEE™ ADVANCED MAINTENANCE PROGRAM (AMP)

The SEE™ Advanced Maintenance Program (AMP) is a proactive, preventive maintenance plan designed to help improve uptime and the yield rates of CRYOVAC® brand packaging equipment.

#### ■ SEE™ PRECISION YIELD OPTIMIZATION

This proprietary digital solution brings precise weight control as the equipment automatically adjusts to address natural process variations, preventing lost product by delivering a more accurate fill weight.

#### ■ prismatic™ - SMART PACKAGING

Smart packaging is connected packaging. Create operational efficiency, increase brand engagement, and provide supply chain transparency through unique digital ID's powered by prismatic™.

#### ■ prismatic™ - DESIGN SERVICES

Design Services allows you to tap into expertise at every step of the design journey including structural design, graphic design, performance testing, prototyping, engineering, and printing system design and implementation.