



The Bag-On-Valve System

from CCL Container

Expanding the Market Opportunities for Aerosols

A wide variety of new and innovative products have been developed and successfully launched in CCL Container's bag-in-can system. The product is contained in a hermetically sealed, laminated pouch totally separated from the pressurizing agent. The multi-layered pouch maintains complete formulation integrity; only pure product is dispensed.

This advanced system expands the market opportunities for personal care, pharmaceutical, industrial, household, pet care, and other products requiring complete separation from the propellant and the atmosphere.

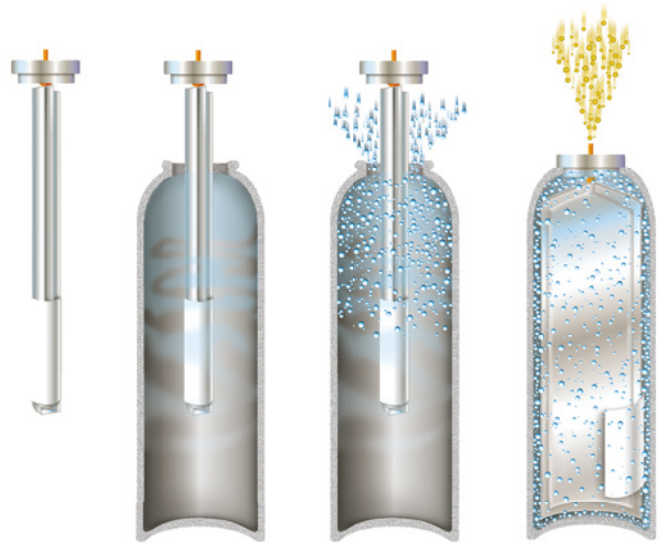


The Bag-On-Valve Design

The product formulation is isolated in a hermetically sealed, FDA-compliant pouch that keeps it separated from the propellant.

How It Works

The pressurization agent - either compressed air or nitrogen - surrounds the product-filled pouch. When the actuator button is depressed, the air exerts pressure on the pouch, providing the force required to discharge the product. All of the air remains in the container and is not released into the atmosphere.



Advantages

- Maintains total product integrity and freshness and extends shelf life
- Excellent for concentrated products
- Conforms to FDA requirements for most food products
- Has a quiet and non-chilling discharge, which is particularly important for pet sprays
- Allows all-altitude (360 degree) dispensing
- Overall performance characteristics are excellent for many hospital, medical, and pharmaceutical applications
- The pressurization agent options are both environmentally considerate, as they do not release any harmful components into the atmosphere
- High evacuation rates
- Uses existing through the valve aerosol filling technology and equipment, and is designed to work with standard actuators and aluminum aerosol cans
- Exempt from D.O.T water bath regulations in the U.S.



Available Sizes

Bag-On-Valve is available in a wide range of sizes from ½ (trial size) to 14 ounces, satisfying most product requirements. Pouches can also be tailor made for other custom can sizes.

Contact Information

1 Llodio Drive • Hermitage, PA 16148-9015 • **Tel:** 724-981-4420 • **Fax:** 724-342-1116 • **Email:** infocontainer@cclind.com • **www.cclcontainer.com**