

Head over Heels for Bag-on-Valve Solutions

People fall in love with products for a lot of reasons – and packaging is often one of them. When the package doubles as a dispensing device, it is an integral part of the product itself. Bag-on-valve (BOV) technology can be used to transform the way users experience a personal care brand simply by the way a product is dispensed.



What Exactly is Bag-on-Valve Technology?

Bag-on-valve is a barrier technology system used inside a spray container to separate the propellant from the product inside. *Propellant in this case is compressed air or nitrogen.* BOV is like a balloon inside a can, with compressed air or nitrogen in the space between the can and the balloon.

PRESSURIZED AIR + ACTUATOR + SPECIALIZED VALVE

The air inside is pressurized, so pressing an actuator forces product to be expelled out of the can through a valve that's designed for a very specific result.

Why Use Bag-on-Valve?

Bag-on-valve technology can be better for the environment:



POWERED BY AIR

BOV works with pressurized air – exactly like the air we breathe. No propellants containing Volatile Organic Compounds (VOCs) are needed.



LESS WASTE

The combination of pressure with omnidirectional actuation means a spray product can be dispensed down to the very last drop.

Bag-on-valve technology can be better for the environment:

HOW MUCH \ HOW FAST \ HOW THICK

the product is dispensed



BOV provides **continuous delivery at any angle** because it's irrelevant to the direction of gravity. The product will spray just as well upside down as in any other position.



Compressed air and nitrogen are non-flammable, so BOV is a **non-flammable delivery system** for products like cooking spray.



The BOV barrier helps maintain a product formula's integrity by sealing it off from the air and external contaminants.

Ideal Uses for BOV Packaging Include:



Personal Care Products

Perfectly continuous spray from any direction to achieve an even coat, making it ideal for products including sunscreens, shave gels, makeup setting mists and more.



Large Sized Products

Pressurized system ensures the product dispenses easily all the way to the bottom of the container.



Thick Products

BOV is a great solution to dispense viscous substances that are too thick for pump bottles, such as moisturizing lotion, caulk or pancake batter.

PLZ Personal Care has the best dedicated, high-efficiency BOV packaging lines in the industry!

At PLZ Personal Care, we offer a wide array of contract manufacturing services for the development of unique and custom formulations for a variety of products. Our formulation and product development specialists provide exceptional service for bag-on-valve and other technologies – helping you bring your ideas through formulation, design, compounding, filling, packaging, and delivery.

PLZ
C O R P