BEG ON VALVE (BOV)

We are glad to introduce to you the new “BOV” technology which will provide a new, easier and safer approach to local and topical treatment!

We can supply our clients with various can sizes, starting from a small single-dose 30 ml, to a large multi-dose 150 ml can. The size depends on the demands and requests our customers may have.

HOW IT WORKS

The Bag-on-Valve system consists of an aerosol valve with a welded bag.

The product is placed inside the bag while the propellant (just compressed air) is filled in the space between the bag and the can. When the actuator is pressed, it opens the valve and the product is dispensed by the propellant simply squeezing the bag, thus pushing the contents out of the can.

Compared to traditional spray technology (and other alternative packaging) Bag-on-Valve has several benefits, for manufacturers, consumers as well as the environment.

Controlled spraying pattern at all angles.

With its fine mist and controlled spraying force Bag-on-Valve is suitable for direct dispensing even in such sensitive areas as vaginal area and even for teenagers. And since a Bag-on-Valve aerosol functions equally good at all angles (even upside-down) it is easy to use – even in emergency situations.
### BENEFITS

#### Safety and environmental benefits

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<tr>
<th>Safety and environmental benefits</th>
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<tr>
<td><strong>No need for flammable propellants</strong></td>
<td>Avoiding flammable gases in your products also leads to benefits in handling and waste disposal.</td>
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<td><strong>Hygienic and sterilisable</strong></td>
<td>100% clean and safe. With the total separation of product and propellant, a bag with superior barrier properties, and complete oxygen protection, Bag-on-Valve is the optimal solution for pharmaceutical and health products. Clean room production and gamma sterilization guarantee a total sterility, even after the can has been opened.</td>
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<td><strong>Used with eco-friendly air or nitrogen</strong></td>
<td>Using a Bag-on-Valve aerosol means experiencing benefits such as: less spray noise, even spraying result, controlled spraying force on sensitive areas, all-angles spraying and no freezing effect. And, with up to 99% product emptying Bag-on-Valve gives the consumer more value for the money. For today’s environmentally aware consumers the use of compressed air or nitrogen as propellants adds one more plus.</td>
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#### Less preservatives needed

With Bag-on-Valve your product is 100% protected from oxygen contact. This means longer shelf-life without the use of added preservatives, helping to give the product a pure and natural image.

### Consumer direct benefits

- Up to 100% product emptying
- Longer shelf life with less preservatives
- No pumping motion needed
- Can be used at all angles
- Less freezing feeling

### Production and distribution benefits

- Longer shelf life for oxygen-sensitive products
- Effective filling process
- Suitable for both liquid and viscous products
- Can be used with standard actuators and cans
THE VALVE
Bag-on-Valve systems are available with both female and male valves.

THE BAG
FDA-approved laminated aluminum bag (3 or 4 layers depending on product requirements). Available in a large range of sizes.

THE PRODUCT
Suitable for liquid as well as viscous products, such as gels, creams and ointments, in a number of application areas. Optimized for oxygen-sensitive and sterile products.

THE PROPELLANT
Because of the separation between the product and the propellant, Bag-on-Valve can be used with compressed air or even nitrogen.
THE TECHNICAL DATA

5. THE ACTUATOR
   A large range of standard actuators depending on the product demands.

6. THE CAN
   Standard aerosol can, aluminum or tin plate (whenever possible the use of aluminum cans is recommended). All sorts of can shapes can be used. No limitation in marketing solutions.