

# Water



## Innovation

### PERFECT PROTECTION

The Bag-in-Box® is an innovating packaging for water. The water is vacuum-filled in a flexible bag - barrier to oxygen and aroma – and placed in an outer board box. Water is protected from light and air during the entire storage period and during usage, thus avoiding risk of bacterial contamination. In fact, the air intake is minimized during the filling and pouring process. The flexible film simply collapses around the liquid under the effect of gravity

### LARGE USE

The Bag-in-Box® is perfect for foodservice, institutions and businesses as well as for use by humanitarian organizations as it is a one-way, ultra-clean and ecofriendly packaging offering convenience and safe solution.



## Solution

### OUTER PACKAGING

- High-quality offset, flexo or digital printing
- Special techniques: embossing, gold foil, UV varnish, special textures
- Bag-in-Tube®, Intuitive Bag-in-Box®, bespoke shapes, big volumes
- High quality corrugated

### WATER-GRADE BAG

- An EVOH-based co-extruded outer film offering excellent aroma protection.
- Perfectly suitable for water
- Very good flexibility and resistance to flex cracking
- Good tear resistance
- Stability of the oxygen barrier under mechanical stress (bag manufacture, insertion of bag into box after filling, transportation...)
- Food product compatibility

### VITOP® GLAND AND TAP

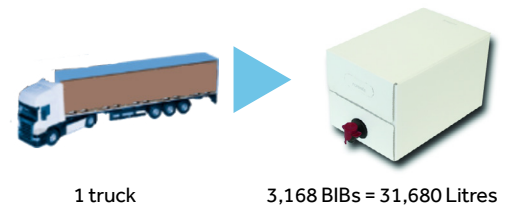
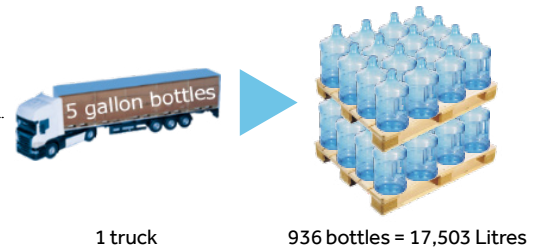
- Very high oxygen barrier
- Double Tamper evident strip for a perfect food safety
- User-friendly
- Easy-to-connect to water distributors
- Self-closing
- Allows just the right quantity to be dispensed
- Robust
- Attractive design



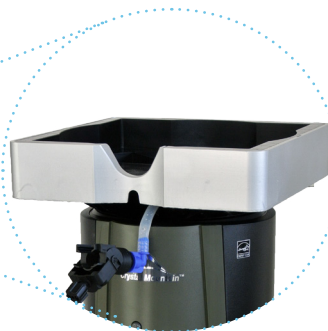
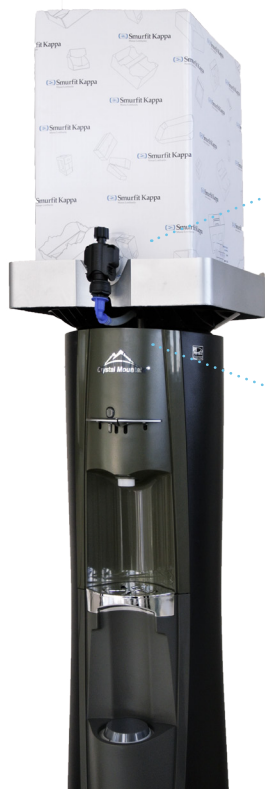
## Benefits

### Advantages of Bag-in-Box®

- 1** **HYGIENE:** one-way packaging for perfect compliance with hygienic requirements. No air penetration while dispensing (bag film collapses during pouring).
- 2** **FOOD SAFETY:** No bisphenol A. Limited contamination risk. The Vitop® tap ensures double inviolability. Produced in ultra clean factories. No falsification possible with the double inviolability of the Vitop Tap and Vitop Gland
- 3** **SUSTAINABILITY:** Less trucks, less water consumption, less packaging. No use of chemicals for washing bottles. Reduction of plastic raw material sourcing (around 120g of plastic for one 20L bag). Packaging waste reduction.
- 4** **LOGISTICS AND SUPPLY CHAIN SAVINGS:** Reduction of manpower, production costs. Savings on the costs of water and chemicals for cleaning. Savings in transport - empty packaging delivered flat, full packaging enables more liters transported/truck, no empty bottles transport



## Zoom on...Vitop Water Kit



### NEW CONCEPT OF WATER DISPENSER: THE WATER FOUNTAIN FOR POLYCARBONATE BOTTLES CAN BE ADAPTED TO BAG-IN-BOX® THANKS TO OUR NEW ADAPTOR

Under the light of a change in legislation where PVC plastics can leach Bisphenol A, bag producers suggest a simple, safe and money-saving packaging solution

that can revolutionize the whole industry of water consumption. Thanks to the unique adaptor, compatible with the existing water fountains, the polycarbonate bottles can be easily replaced with one-way Bag-in-Box®.

This means that the empty bottles will not have to be stored, collected, cleaned and

re-filled again. In fact, the Bag-in-Box® packaging is simply separated and thrown away - the bag into normal dustbin and the cardboard box recycled. Key savings will come from reduction of transport costs and manpower costs that water fountain business currently spends in tasks such as recovery, storage and handling of empty bottles, their sanitization (water + chemicals products), storage and handling of re-filled bottles and transport costs to final customers.