

# Closure Guide

Closures play an important role in packaging. There are many factors to consider, such as, the styling and overall product brand, how the product will be dispensed, and whether the package needs extra protection. The experts at Pipeline Packaging will guide you through testing your closure with both the package and product to ensure they are compatible.

## Closure/Cap Types

### Threaded Caps



This closure has spiral threads to match the top of the container. The threaded cap twists onto the neck and closes the appropriate object. It is a customizable piece that can fit the customer's wants/needs.

### Lug Caps



One of the most popular metal closures in the world. The cap comes in either a flat or button top. The button top releases pressure in the container if opened which creates longer shelf life for the product. This closure is opened by a small counterclockwise turn.

### Child Resistant Caps



These closures are required for certain objects. For example, most over the counter drugs. A person must press down and then twist counterclockwise to open it. This makes it difficult for a child to open, while not making it difficult for adults to use. CRC closures come in many different sizes and shapes.

### Snap Caps



A closure that works very well for food and/or beauty application products. The cap snaps into place on a ridge that is lifted or concaved. The closure will come off completely, which allows the product to flow out smoothly. Once closed, the product is securely sealed inside the container.

### Induction Lined Caps



Induction liners have multiple layers: foil, pulpboard, wax, and a polymer coating. The layers create a hermetic seal after going through an induction machine, during which the heated foil melts both wax and polymer. Induction lined caps require an induction sealing machine to be applied. If the liner is off, the product has been tampered with.

### Brush Caps



This closure is unique, due to the brush attached to the cap. The cap has grooves in it to tighten on the top of the container. The brush is used for precision spreading of a product. The cap seals the product securely, so it doesn't dry out.

# Dispensing Caps



## Flip Top Spout Caps

To release the liquid within the bottle, users need to flip the small dispensing opening to an upright position. To close, a small push downward seals the cap and makes it level with the cap to prevent leakage.



## Pumps

Pumps enable consumers to distribute an even film of highly viscous product, such as lotion, to an object. Push down on the top of the pump to dispense the product.



## Sprayers

This closure applies a balanced amount of product to a surface. The two types of sprayers available are trigger and pushdown. Pulling the trigger or applying pressure down on the pushdown sprays the product.



## Push/Pull Caps

Push/Pull Caps are those most commonly found on dishwashing detergent bottles. Pulling the cap upward creates an opening for the product to dispense. After use, a simple downward push on the cap itself closes it.



## Twist Top Caps

This closure opens and closes through a twisting motion. Turning the cap counter clockwise opens the closure, while turning clockwise seals it. These caps are very common with condiments.



## Glass Dropper Caps

The cap is a rubber bulb, found at the top of the dropper. Applying and discharging pressure to the cap will pull liquid into the dropper. Once full, applying pressure to the cap allows the product to be placed in a precise location, one drop at a time.



## Snap Top Caps

A hinge is connected to the top and bottom of the closure. Once the top is lifted, the closure has a small opening in the middle. This allows the product to be distributed. The top can be snapped back in place to securely close the container. These closures are great for food condiments and toiletries items.



## Dropper Caps & Plugs

The dropper cap's plug is created to decrease the size of the bottle's opening like a small funnel. These plugs come in two different styles: controlled or streaming. The caps are unlined and cover the dropper tips; they then screw into the top of the bottle.



## Disc Top Caps

Delivering pressure to the closure, on the end often labeled "press", will pop the opening and allow the product to flow out. Pressing down on the opposite end of the cap will push the opening back down. This seals the container from distributing the product. The closure is designed to stay on the container throughout the product's life cycle.