

Manufacturer: Packaging Concepts Assoc., LLC
Model: Mpak, Snap-on Dispensing System
ASTM Type: IXA(2)

Description:

There are two versions of this finger pump spray dispenser. The first version, the Mpak, is a one-piece package that incorporates the finger pump and the container body (see Figure 1A). The package is filled from the bottom and then a cap permanently seals the bottom of the package (Figure 1B). This version of the Mpak is available in two sizes.



Figure 1A



Figure 1B

The Mpak incorporates a tamper evident feature over the “U” shaped cut-out in the plastic housing (see arrow in package on right in Figure 2). The “U” shaped cut-out in the plastic housing is the position for the actuator to dispense product (see package on left in Figure 2).

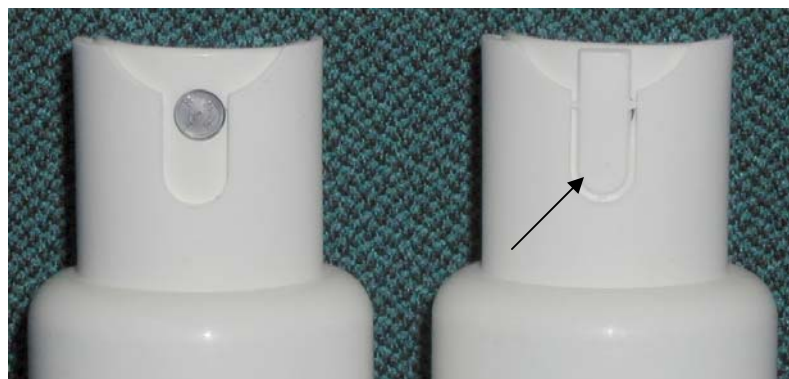


Figure 2

The second version, the Snap-on Dispensing System (see Figure 3), involves the finger pump being permanently attached to a separate container after the package is filled. The Snap-on Dispensing System does not have a tamper-evident feature over the “U” shaped cut-out in the plastic housing.



Figure 3

There are 4 sets of double ridges inside the plastic housing located 90 degrees apart (indicated by the arrows inside the plastic housing on the left in Figure 4). These double ridges snap over a single continuous ridge on the bottle (see bottle on the right in Figure 4) to permanently secure the finger pump to the bottle.

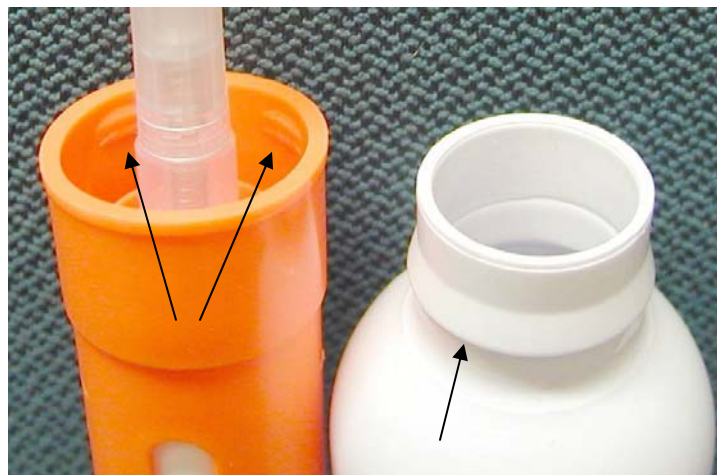


Figure 4

Both the MPak and Snap-on Dispensing System consist of a finger pump spray actuator that fits inside a plastic housing. The CR feature on both the MPak and Snap-on Dispensing System involves pushing a flexible tab on the side of the actuator (Figure 5),

holding the tab in, and rotating the actuator counterclockwise from the non-dispensing position (Figure 6A) until the actuator hole appears in the dispensing position (Figure 6B). The actuator is then pressed to dispense product. A series of six protruding ridges stick out too far to get past the plastic housing (see arrows in Figures 6A and 6B) and prevent the actuator from rotating too far clockwise or counterclockwise.



Figure 5



Figure 6A

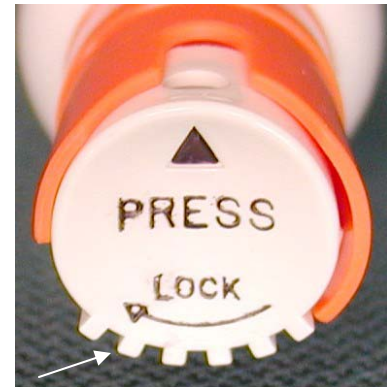


Figure 6B

The manufacturer's instructions on the CR Mpak and Snap-on Dispensing System are the same. These instructions are below (Figures 5, 6A, and 6B):

(on the flexible tab on the side of the actuator in Figure 5)
PUSH

(Figures 6A and 6B a triangle indicating the direction of the spray)
PRESS
LOCK
(clockwise arrow)