Bennett Pacific Series

Convertible Nozzle Boot

The nozzle boot can be easily converted in the field for either Lift-to-Start or Push-to-Start applications. In Push-to-Start style, the highly visible nozzle boot lever is spring activated creating a safer fueling experience for the customer.

Nozzle engaged in boot forces the black activation lever into the off position.

When nozzle is removed a spring mechanism raises the black activation lever, allowing the pump to become active once a start button is pressed.

This view shows the spring assisted mechanism on the back side of the nozzle boot. You can see that without the nozzle engaged in the boot, the lever has moved to the "on" position.

The Bennett Push-to-Start nozzle boot for Pacific Dispenser is a safer design than traditional Push-to-Start design.
Unlike conventional "flapper-activated" nozzle boot styles, the activation lever is not hidden from the customer's view, deep in the upper section of the nozzle boot. We believe the conventional style "flapper-activated" nozzle boot is not as safe as our Pacific Push-to-Start Nozzle Boot.

In the event of an emergency on the conventional style boot, it is not readily apparent to a customer that to turn-off the dispenser flow, either the nozzle must be returned to the boot, or the customer must reach inside the boot to push the concealed switch lever (flapper) to the off position. This action is not intuitive to most customers. In fact, most customers are unaware of the switch lever (flapper) concealed in the nozzle boot. Some dispensers have small emergency off buttons, but it is difficult for your average customer to find it quickly in the event of an emergency.

In contrast, before the advent of the "flapper-activated" nozzle boot, most activation methods required the customer to lift a lever of some type to turn on the flow. This made the "turn-off" function very intuitive, i.e. push the lever back down.

While the "flapper-activated" nozzle boot increased customer convenience, i.e. they did not have to touch a sometimes-grimy activation lever, it decreased the safety factor at the dispenser.

The new Bennett Pacific Push-to-Start nozzle boot design addresses the convenience factor for customers, yet makes it readily apparent to the customer how to turn off the dispenser in the event of a safety issue.

When the customer removes the nozzle from the boot, a spring lifts the activation lever. At this point, of course, the customer must still press a start button on the face of the dispenser. In a normal fueling operation, the customer simply presses the nozzle back into the boot, engaging the nozzle hook into the hand guard at the bottom of the nozzle. This action moves the activation lever into the off position. For convenience sake, there is no need for the customer to use his hand on a grimy activation lever.

From a safety standpoint, the movement of the spring-assisted lever to the "on" position makes it readily apparent to the customer that he could turn-off the dispenser by pushing the lever back down. This realization is much more intuitive than knowing there is a hidden on-off lever concealed inside the upper area of the nozzle boot.