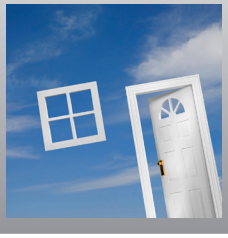
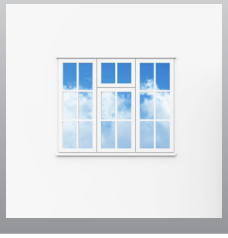
Window & Door

SOLUTIONS SHOP


Suckback Valve Eliminates Dripping

Challenge:

When multiple glass panes, or “lites” are assembled into units, they are commonly referred to as insulated glass, double glazing, Double Glazed Units (UK and Europe) or Insulating Glass Units (IGU, North America and Australia).

These units use the thermal and acoustic insulating properties of a gas (or vacuum) contained in the space formed by the unit. They can provide good insulation without sacrificing transparency (visual transmittance (VT)). Single glazed tinted and reflective glasses can provide similar thermal insulation, but for the same insulation performance are harder to see through and provide little protection against unwanted sound.

During the glazing process, the dispensing gun would drip after the valve until it was shut off. This dripping created unnecessary work due to clean up.

Solution:

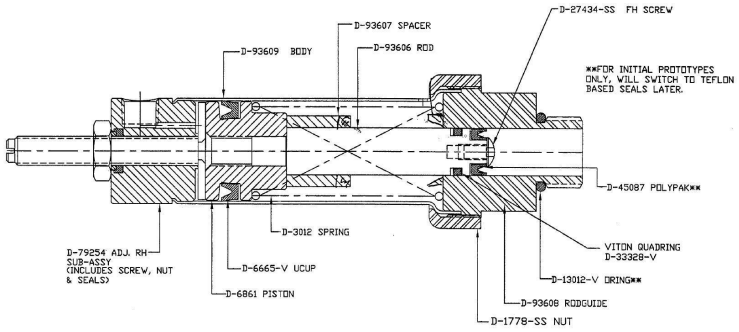
Bimba designed a suckback valve that provides a vacuum to hold back the silicon glaze during the sealing process. The suckback valve is located between the shut-off valve and the end of the dispensing nozzle. The vacuum is applied when the shut-off valve is closed, eliminating any dripping.

Benefits:

- **Eliminates dripping.**
- **Eliminates unnecessary work due to clean up.**

Other Applications:

- **Fluid Dispensing**
- **Bottling**
- **Joining**



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