BAL SEALS® SEALS IN ADHESIVE DISPENSERS

Adhesive dispensing systems spray, pour, and meter adhesive formulations; typical uses include packing and product assembly.

In an air-operated, positive displacement adhesive dispenser, gravity or pressure feeds the adhesive into the hopper. Next, a double-acting air cylinder actuates the piston. As the piston retracts, the spring-loaded check value closes and creates a vacuum, which fills the pump chamber with the adhesive. Finally, advancing the plunger forces a metered volume of adhesive through the dispensing nozzle.

### Operating Parameters

- **Media:** Adhesive
- **Temperature:** 200°F to 450°F (93°C to 232°C)
- **Pressure:** Atmospheric
- **Features:** High scraping and low friction

### Seal Selection:

- **Plunger Seal:** The KSX back-to-back Bal Seal seal shown in View A provides bi-directional sealing and scraping of the viscous adhesives.

- **Check Valve Seal:** The VSI10X Bal Seal seal shown in View B has a scraping lip design for viscous adhesives. The seal jacket is made from Bal Seal material, GFPA HT, a graphite-fiber-reinforced PTFE compound that has been specially processed for high-temperature service. This material offers superior performance against extrusion and wear.

For more information and technical assistance, call the Technical Sales Department.