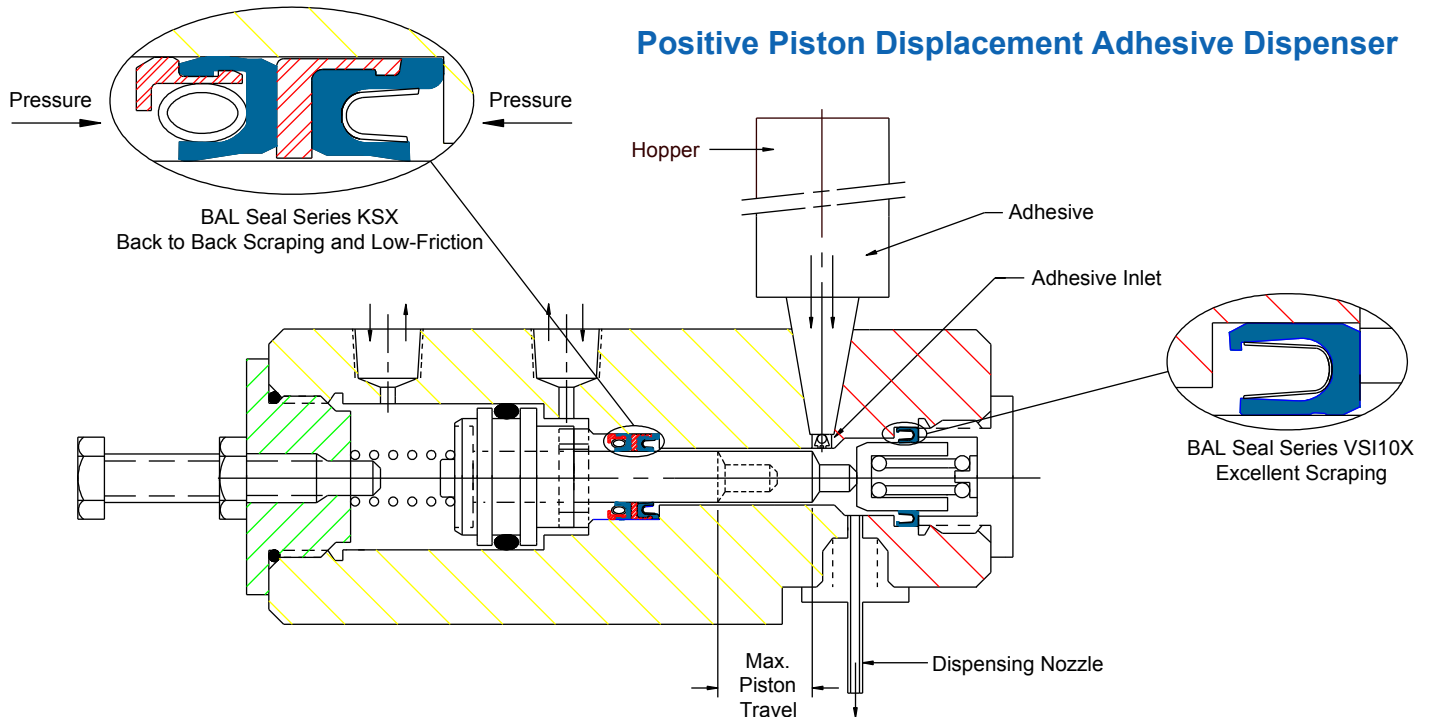


## BAL SEALS® SEALS IN ADHESIVE DISPENSERS

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 valve 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:	200F to 450F (93C to 232C)
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.

PATENTS: The items described in this page include products that are the subject of issued United States and foreign patents or products where patents are pending, including the following: Patents 6,641,141 B2; 7,210,398 B2; 6,161,838; 5,992,856; 5,134,244

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