

Model Number

# SB1007

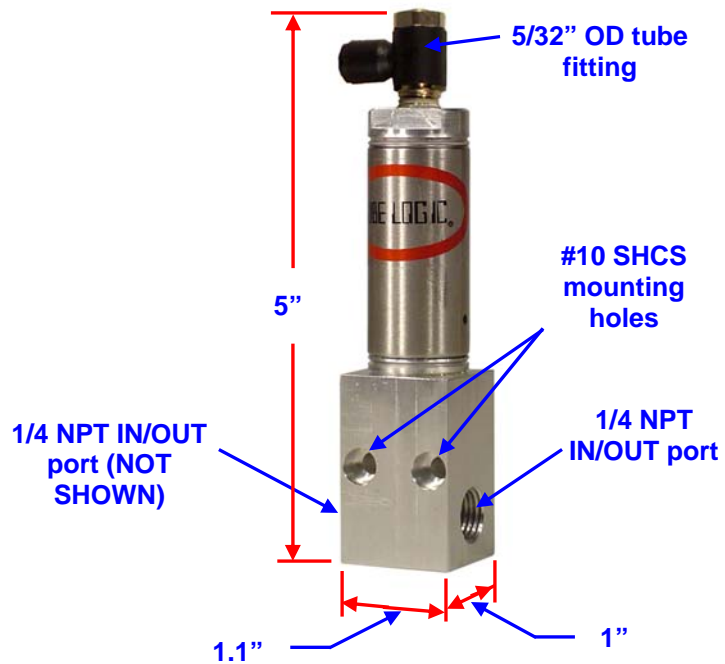
## Snuff-back Device for Grease

- Automatic positive “close” by pulling grease back from nozzle tip after dispense
- Compensates for swelling or bending hoses and for compressibility of grease volume in delivery tubing or hose
- Minimizes or eliminates oozing or drooling of grease from nozzle tip
- Automatic positive “open” by quickly supplying grease to nozzle tip at start of dispense
- Compact for installation near grease application nozzle. Includes mounting screws but can be “inline” mounted.
- Functions with NLGI #0 through NLGI #2 grease

Nozzle shown without snuff-back



Nozzle shown with snuff-back



G. P. Reeves Inc. 12764 Greenly Street Holland, MI 49424

Phone: 888.399.8893

Fax: 616.399.8867

Web Site: <http://gpreeves.com>

**FOR INFORMATION ABOUT WHY MANY GREASE NOZZLES (without snuff-back)  
DROOL AND OOZE, see <http://www.gpreeves.com/cat/cat-snuff-backwhy.pdf>**

<b>SB1007 SPECIFICATIONS</b>			
<b>Media</b>	<b>NLGI #0 through NLGI #2 grease</b>	<b>Snuff-back Adjustment</b>	<b>Includes needle valve for forward stroke velocity control</b>
<b>Air Ports</b>	<b>1/8 NPT with 5/32" push lock fitting for 5/32" OD tubing</b>	<b>Grease Pressure Rating</b>	<b>Grease pressure at installed location should not exceed ten times the compressed air operating pressure.</b>
<b>Boost Ratio</b>	<b>12 to 1 (during dispense)</b>		
<b>Air Pressure</b>	<b>150 p.s.i. maximum</b>	<b>Ambient Temperature</b>	<b>32 to 140° F. (0 to 60° C.)</b>
<b>Grease Ports</b>	<b>1/4 NPT Female IN and OUT ports</b>	<b>Snuffback Volume</b>	<b>.024 cubic inch (.40cc)</b>
<b>Dimensions</b>	<b>See drawing KA6582</b>	<b>Shipping Weight</b>	<b>1 lb. (.45 kg)</b>

**HOW SNUFF-BACK WORKS**

The compressed air-actuated forward piston movement of the snuff-back device quickly decreases the internal volume of the grease delivery plumbing during dispense. Exhausting that compressed air allows an internal spring to reverse the motion of that piston to increase that internal volume immediately after dispense. The quick volume decrease during dispense counteracts the compression of the grease and air and the expansion of the delivery tubing during dispense and causes the dispense to start quickly. The volume increase immediately after dispense counteracts the expansion of the grease and air and the return to size of the delivery tubing after dispense. This causes the dispense to stop quickly and completely and also eliminates or reduces drooling or oozing from the nozzle tip.

**INSTALLATION NOTES**

The SB1007 snuff-back device can often be operated with the same 3-way air valve that operates the grease dispenser. If the operating air pressure for the grease dispenser is lower than the snuff-back operating pressure, the snuff-back device can be operated by a separate solenoid or air pilot operated 3-way air valve. The SB1007 snuff-back device should be installed as close as possible to the dispensing nozzle. The snuff-back cylinder should extend as grease is being dispensed, and retract immediately after grease has been dispensed. The SB1007 snuff-back device has a needle valve incorporated into its air inlet fitting to control its forward piston velocity to eliminate squirting of lower viscosity grease.

The combination of high air pressure and low viscosity grease could allow the snuff-back piston to move forward with excess velocity causing grease to squirt. Because this squirting may be undesirable, the SB1007 has a needle valve in its compressed air inlet fitting. This photo shows the needle valve adjustment screw that is located on that compressed air inlet fitting. Rotating this screw clockwise will throttle the compressed air to decrease the forward velocity of the snuff-back piston. The fitting also includes a one way check valve to allow high speed reverse motion of the snuff-back device regardless of the needle valve setting.



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