

# HIGH PRESSURE FLOW GUN

# Model 69705

# Series " B "

## SPECIFICATIONS:

Weight - 22 ounces

Length - 7 inches

Width - 1-1/2 inches

Height - 7 inches

Inlet - 1/2 inch N.P.T.

Outlet - 1/4 inch N.P.T. (3/16 inch dia. orifice No. 69723 available.  
Purchase separately.)

Max. Operating Pressure - - 4000 PSIG

## DESCRIPTION

Model 69705 is a trigger-operated pistol grip flow gun, the gun features easy trigger pull at pressures up to 4000 PSIG. Trigger has an adjustable stroke for fine control of material flow rates.

The piston valve and needle are designed to balance material inlet pressure and backpressure (pressure at outlet of gun due to restriction in nozzle), so that the valve opens and closes easily and quickly. When the gun is closed, inlet pressure exerts a force against the valve, creating a tight seal. When the gun is open, backpressure exerts a force on the end of the needle, helping to hold the valve open. Therefore, increasing the inlet pressure, improves the valve seal, necessitates more force to initially open the gun, but requires less force to hold the gun open.

## INSTALLATION AND OPERATION

### (1) Install flange-type nozzle - - -

To install nozzle on gun, remove collar by turning counter-clockwise while holding adapter to prevent adapter from turning. Insert nozzle into collar until flanges mate. Thread collar onto adapter and tighten until nozzle is held firmly against adapter.

### (2) Tighten Packing Nut - - -

Turn packing nut clockwise until snug, but not tight enough to restrict free movement of trigger.

### (3) Connect Gun to Supply Line - - -

Connect material supply hose to inlet of gun.

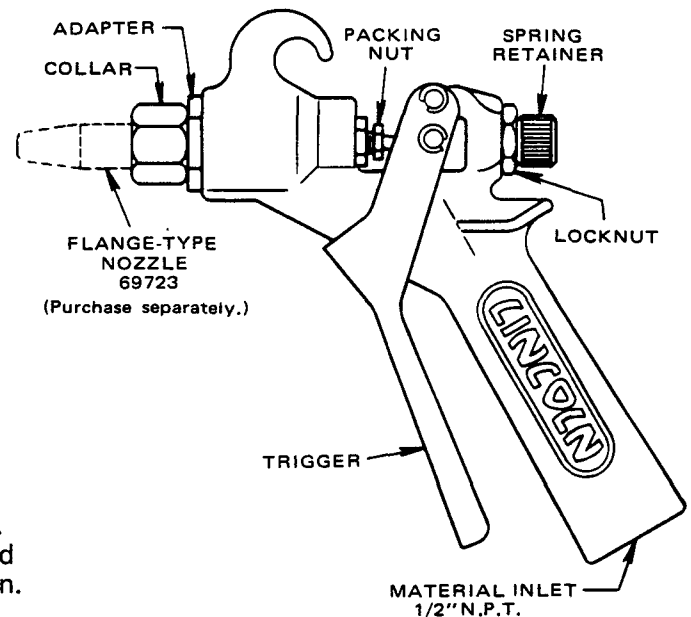
**NOTE:** Use of a swivel between gun inlet and supply hose will aid in maneuverability of gun.

### (4) Purge Air from System - - -

Loosen locknut and spring retainer by turning counter-clockwise until trigger can be fully depressed against gun body. Hold the supply hose on an upward slope from the source with the gun at the highest point. With the trigger held in the depressed position, gradually apply material pressure until the desired flow rate is attained and all air is purged from the system.

### (5) Adjustment of Flow Rate - - -

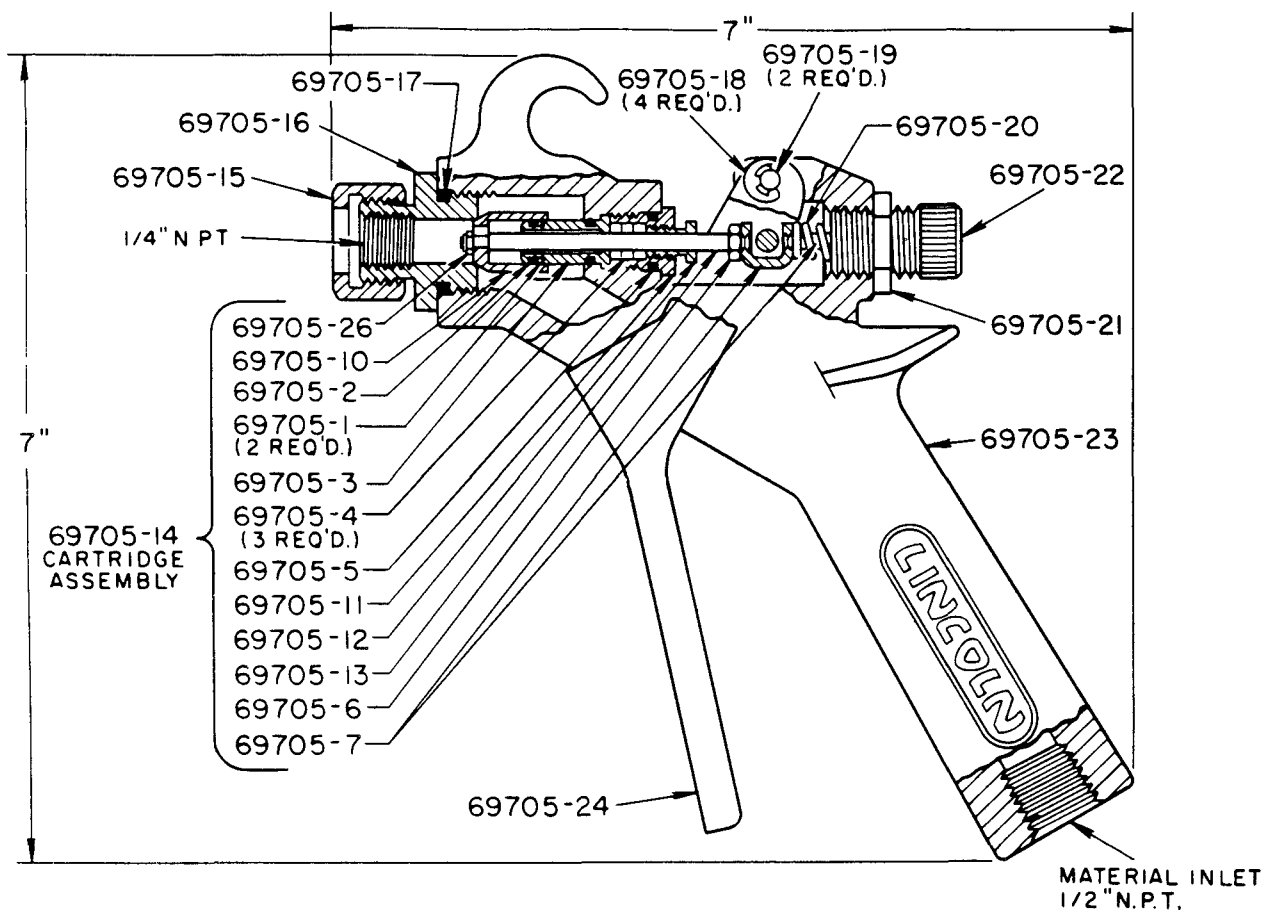
Final adjustment of flow rate can be made to suit the individual operator by turning the spring retainer clockwise for less material, counter-clockwise for more. When desired flow rate is attained, tighten locknut firmly against body.



**LINCOLN**

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SECTION - F21  
PAGE - 19A



### REPAIR PARTS LIST

Part No.	Description	Part No.	Description
69705-1	O-Ring	69705-15	Collar
69705-2	O-Ring Back-up	69705-16	Adapter
69705-3	Guide	69705-17	O-Ring
69705-4	Seal	69705-18	Snap Ring
69705-5	O-Ring	69705-19	Trigger Pin
69705-6	Nut	69705-20	Spring
69705-7	Yoke	69705-21	Nut
69705-10	Piston Valve	69705-22	Retainer
69705-11	Packing Nut	69705-23	Body
69705-12	Screw	69705-24	Trigger
69705-13	Needle	69705-26	Stop Nut
69705-14	Cartridge Assembly		

#### RETAIN THIS INFORMATION FOR FUTURE REFERENCE

When ordering replacement parts, list: Part Number, Description, Model Number, and Series Letter.  
 LINCOLN ST. LOUIS provides a Distributor Network that stocks equipment and replacement parts.  
 A list of Authorized Service Departments will be furnished upon request.