

FLUID INJECTOR OPERATING INSTRUCTIONS

The fluid injector is an auxiliary device used on the Mullen® Burst Tester as a means of conveniently and easily maintaining the proper amount of tester fluid in the tester cylinder.

Drawing #25025-1/4 shows its assembly and construction. It is mounted on the tester by screwing the body of the fluid injector into the base provided on the left end of the tester fluid chamber. It should be mounted with the filler cap (Item #7) in the top position. The valve is normally kept closed except when adding tester fluid to the tester chamber.

1. FILLING THE FLUID INJECTOR:

- a. Remove the filler plug.
- b. Rotate the plunger hand-wheel counter-clockwise as far as it will go.
- c. Pour tester fluid in the filler hole <u>slowly</u> until the plunger chamber is <u>level</u> full break any air bubbles.
- d. Replace filler plug. (A piece of 1/8" diameter rod or nail inserted in the hole through the plug will serve as a wrench in tightening).

2. FILLING THE TESTER CHAMBER:

- a. Open valve by turning know (Item 10) counter-clockwise 2 or 3 times.
- b. Turn plunger hand-wheel slowly to inject the proper amount of tester fluid to the cylinder.
- c. Close valve immediately.

3. WHEN TO ADD TESTER FLUID:

The appearance of the diaphragm when the tester is in the starting position Indicates the tester fluid level. A tester filled to the proper level will have a flat relaxed diaphragm in the starting position. A deficiency of tester fluid will cause the diaphragm to distend downward. The fluid injector can be used to inject sufficient tester fluid to bring the diaphragm up to its normal level.

4. USING THE FLUID INJECTOR TO PURGE AIR FROM THE TESTER:

- a. Clamp a piece of cardboard or sheets of paper over the diaphragm to prevent it from distending. Operate tester to pressurize system to 20 P.S.I.
- b. Remove the cap from the bleeder valve on the tester gauge.
- c. Slowly inject tester fluid into the tester and out through the gauge bleeder valve until no more air bubbles appear at the discharge.
- d. Replace the cap on bleeder valve. Air purging directly after diaphragm changes, and periodically thereafter, will permit no appreciable accumulation of air in the system resulting in better test accuracy.





FLUID INJECTOR (GLYCERINE GUN) INV. NO. 820214 / PART NO. ATGC-108X

ITEM			QTY
<u>NO.</u>	<u>INV. NO.</u>	DESCRIPTION	REQ.
1	820056	FTGC-305 VALVE STEM KNOB	1
2	820200	ATGC-24 PLUNGER ADJ. SCREW NUT	1
3	820201	FTGC-25 PLUNGER ADJ. SCREW	1
4	820212	FTGC-107 PLUNGER BODY	1
5	820213	ATGC-108 BODY	1
6	820209	FTGC-104 VALVE STEM	1
7	820207	FTGC-102 FILLER PLUG	1
8	820211	FTGC-106 VALVE STEM GUIDE	1
9	820210	FTGC-105 VALVE SEAT	1
10	820056	FTGC-305 VALVE STEM KNOB	1
11	820721	S-7-8-110 "O" RING	1
12	820724	S-7-13-115 "O" RING	2
13	820722	S-7-9 "O" RING	1
15	820726	D-18 "O" RING	1
16		1/8 X 3/8 SET SCREW	2
17		ROLL PIN	1

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