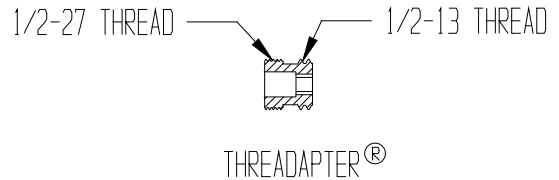


REV	CD NO	CHANGE	BY	DATE	APVD
D	13229	DRAWING TITLE WAS "...INJECTOR PUMP B-3162"	SD	11-29-00	MW
E	15018	ADDED 2) B.4. TO INSTRUCTIONS	JK	06-23-08	MW
C	12854	THREADAPTER (TM) CHANGED TO (R)	SB	08-16-99	MW

- REF.
 A-5718 SEAL KIT
 B-3162 ASSEMBLY
 YB-3305 ASSEMBLY
 B-3352 ASSEMBLY

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1) INSTALLATION:

A. Mounting:

One 9/32 DIA. through mounting hole per body. Secure to flat surface. Pump may be mounted in any position (such as upside down).

B. Air and Liquid Connections:

1. Attach suction line to 1/8 NPT liquid inlet.
2. Attach discharge line(s) to 1/8 NPT liquid outlet(s).
3. Attach air line to 1/8 NPT air inlet.

2) OPERATION:

A. Start up procedure:

1. Fill reservoir with fluid to be pumped.
2. Set the air cycle rate and air pressure.
3. Set liquid output using adjust stem.
4. Pump is ready to operate.
5. For faster start-up pre-fill lines.

Note: Start up procedure must be done in a clean environment.

B. Liquid output adjustment:

1. Use the adjust stem atop each feed in conjunction with the air cycle rate. Individual conditions may vary.
2. Each clockwise turn of the adjust stem reduces output by: .002 cubic inches, .03 cubic centimeters, .001 ounces.
3. Maximum output, per cycle, per feed, with adjust stem backed completely out: .012 cubic inches, .20 cubic centimeters, .007 ounces.
4. The adjustment stem will extend out from top of pump approximately 1/8" at upper limit, and will be inset into top of pump approximately 1/8" at lower limit. Adjustment stem will stop turning when it has reached the upper or lower limit, and no additional torque is necessary.

3) SPECIFICATIONS:

Air pressure required: 40 P.S.I. minimum.

Operating Temperature: -15° to 180° F.

Seals: Buna and VITON standard.

Other materials: aluminum, brass, plated steel, and stainless steel.

4) TO CONNECT ONE BODY TO ANOTHER:

Items needed: Threadapter® kit A-5535-2, 3/16 Allen wrench, 11/16 wrench.

1. Remove end plugs or inlets on end of existing body where the new body will be attached.
2. NOTE the liquid adjust stem of the body to be attached must be backed completely out.
3. Install O-rings into counter bores.
4. Turn 1/2-27 thread of Threadapter® into body until Threadapter® hits bottom.
5. Hold the two bodies to be connected together with the 1/2-13 thread of the Threadapter® at its correct location.
6. Use Allen wrench to tighten bodies together.
7. Turning the 1/2-27 thread out will allow the 1/2-13 thread to engage. Once engaged, continue turning until the bodies are drawn together and tightened.



TOLERANCES UNLESS OTHERWISE SPECIFIED
 FRACTIONAL ± 1/64
 DECIMAL .XX ± .020
 DECIMAL .XXX ± .005
 DECIMAL .XXXX ± .002
 ANGLES ± 1 DEG
 ASSEMBLIES: ALL DIMENSIONS ARE REF.

SCALE: -	DATE
DRAWN: JR	7-22-97
APV'D: MW	7-22-97

INSTALLATION INSTRUCTIONS FOR
 AIR OPERATED MODULAR INJECTOR
 PUMP
 STYLE: DG

DRAWING NUMBER:
 A-5720

REV
 E
 06-23
 2008