I. INSTALLATION

A. Mounting:
   1. Use 9/32" DIA. through mounting hole per body.
   2. Secure to flat surface. Pump may be mounted in any position (such as up side down).

B. Air and Liquid Connections:
   1. Attach suction line to 1/8 N.P.T. liquid inlet.
   2. Aim the nozzles at the points to be lubricated.
   3. Attach air line from air control equipment, to 1/8 N.P.T. air inlet.

II. OPERATION:

A. Start-Up Procedure:
   1. Fill reservoir with liquid to be pumped.
   2. Set the air cycle rate and air pressure.
   3. Set liquid output using adjustment stem.
   4. Set air spray using adjustment stem.
   5. Pump is ready to operate.
   6. For faster start-up, prefill lines.

B. Liquid Output Adjustment:
   1. Use the adjustment stem atop each feed in conjunction with the air cycle rate.
   2. Individual conditions may vary.
   3. Each clockwise turn of the adjustment stem reduces output per cycle by:

      \[ \frac{0.02}{\text{in}^3/0.03 \text{ cc}/0.001 \text{ oz} \times 1.79 (1/8 \text{ dia}) \text{ drops}.} \]

   4. Max output, per cycle, per feed, with adjustment stem backed all the way out:

      \[ \frac{0.012}{\text{in}^3/0.02 \text{ cc}/0.007 \text{ oz} \times 12 (1/8 \text{ dia}) \text{ drops}.} \]

C. Air Spray Control:
   Use the adjustment stem to vary or shut off the air spray.

NOTE: START UP PROCEDURE MUST BE DONE IN A CLEAN ENVIRONMENT.

SPECIFICATIONS:

AIR PRESSURE REQUIRED: 40 P.S.I. MINIMUM
OPERATING TEMPERATURE: -15 TO 180° F
SEALS: BUNA/VITON STANDARD
OTHER MATERIALS: ALUMINUM, BRASS, STAINLESS STEEL, & PLATED STEEL

CALEE 3:8 DRAWN: SB 09-30-02
TITLE: INSTALLATION & OPERATION DRAWING NUMBER: A-7205
INSTRUCTIONS & INJECTOR PUMP: MPW 09-30-02
ASS'Y B-3559 STYLE: DMS