



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.

1) Installation

A. Mounting:

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

B. Air and Liquid Connections:

1. Attach suction lines to 1/8 N.P.T. liquid inlets.
2. Attach discharge lines to 1/8 N.P.T. liquid outlets.
3. Attach air line to 1/8 N.P.T. air inlet. Use pipe sealant on all NPT connections.

2) Operation

A. Start-Up Procedure (must be done in a clean environment):

1. Fill reservoir with liquid to be pumped.
2. Set the air cycle rate and air pressure. (recommended 40 to 125 PSI @ 72° F).
3. Set liquid output using adjust stem.
4. Pump shipped at full volume .012 in³ setting (It is recommended to prime system at full volume).
5. Pump is ready to operate.
6. For faster start-up, prefill lines.
7. Pump will automatically fill lines upon operation.

B. Liquid Output Adjustment:

1. Use the adjust stem atop each feed in conjunction with the air cycle rate. (Individual conditons may vary).
2. Each clockwise turn of the adjustment stem reduces output by:
 .002 in³/.03 cc/ .001 oz
3. Max. output, per cycle, per feed, with adjustment stem back completely out:
 .012 in.³/.20cc/ .007 oz.