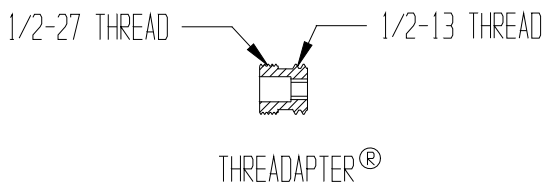


REV	CO NO	CHANGE	BY	DATE	APVD
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SEAL KIT A-5718, ASSY B-3583



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. Turn the liquid output adjustment stem clockwise until it bottoms out.
3. Turn the liquid output adjustment stem counterclockwise until zero lines up with the milled slot in the top of the body. At this point, the liquid output per cycle is zero.
4. From this point, each clockwise turn of the adjustment stem increases liquid output by: .00026 in<sup>3</sup>/.0042 cc/.00014 oz.
5. Maximum output, per cycle, per feed, with adjustment stem backed completely out: .0012 in<sup>3</sup>/.02 cc/.00068 oz.

3) SPECIFICATIONS:

Air pressure required: 40-120 PSI  
 Operating Temperature: -15° to 180° F.  
 Seals: BCNA or 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: RSH	3-1-04
APV'D: MW	3-1-04

INSTALLATION INSTRUCTIONS FOR  
 1/8" AIR OPERATED PurgeX  
 ASS'Y B-3583  
 STYLE: DG

DRAWING NUMBER:  
 A-7253

REV  
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