

# *Product Manual*

*INSTALLATION,  
OPERATION,  
PREVENTATIVE MAINTANCE,  
&  
REPAIR KITS*

***ACETONE PUMP Model B  
2-02-0136B***

***REXARC INTERNATIONAL, INC.***

# INSTALLATION, OPERATION AND MAINTENANCE

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## **1A**    **INTRODUCTION**

This manual provides installation, operation, and preventative maintenance, for the Rexarc pneumatic acetone pump, part number is 2-02-0136B.

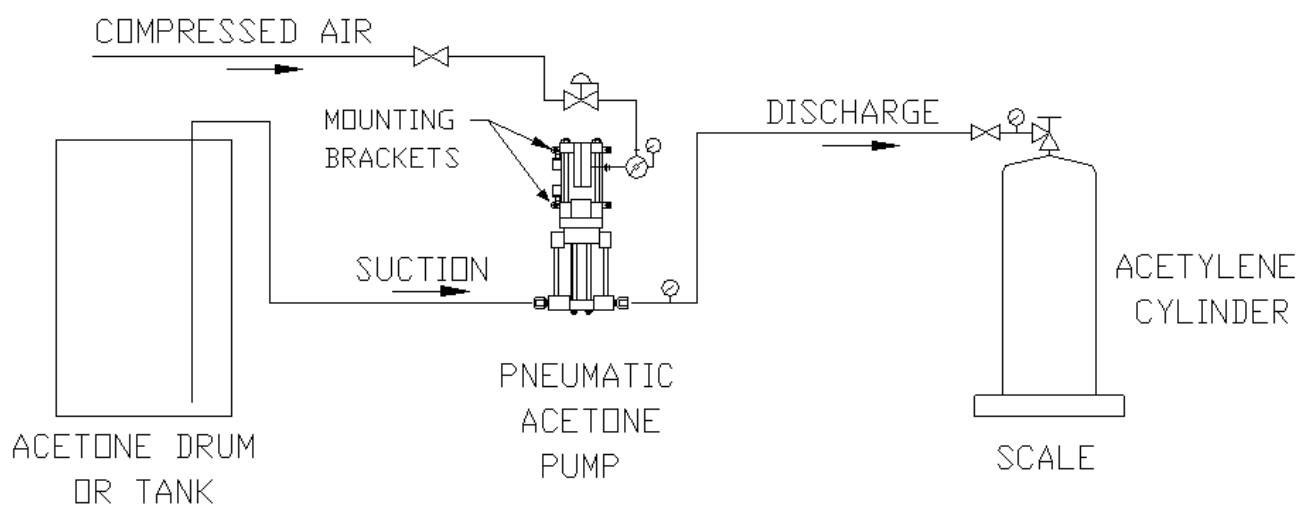
## **1B**    **INSTALLATION**

See Figure 1.1.

**1B.1** Mount pump inside building using two mounting brackets on the upper portion of the pump that are pre-mounted on the pump.

**1B.2** Once the pump is mounted, connect pump inlet and outlet to acetone suction and discharge lines as laid out in the Figure 1.1 below. This can be laid out any specific way that the customer desires to work in their situation.

**1B.3** With the pump plumbed to the acetone tank and to discharge hookup, the air supply can now be connected by connecting the pump to the plant air piping supply while incorporating a manual shut off valve.



**Figure 1.1 – MODEL “B” ACETONE PUMP DIAGRAM**

## **1C    OPERATION**

### **Warning!**

To prevent inadvertent splashing of acetone into the eyes, wear safety glasses when handling acetone. In fact while not absolutely necessary, it is a good practice to wear safety glasses at all times when in the plant.

Acetone is a volatile, flammable liquid. Avoid the opening of acetone drums, or transfer of contents close to flame or fire of any kind. Use only with adequate ventilation. Avoid prolonged or repeated contact with skin. Always store in approved metal safety containers, and keep container closed when not in use. Do not store in a room containing electrical equipment.

It is imperative that the acetone discharge line be purged of all air before connecting to acetylene cylinder. A compressed mixture of air and acetylene is hazardous at any pressure.

1C.1 Start the acetone pump operation as follows:

1C.1.1 - Open valve in acetone discharge line.

1C.1.2 - Open air valve to admit clean, filtered compressed air to pump.  
Adjust air regulator to 80 psig (552kPa).

1C.1.3 - Purge all air from acetone discharge line by opening pigtail valve until steady stream of acetone is pumped into suitable container. Shut off discharge valve. Pressure will build up to 4 times the air pressure and pump will stop. When there is much suction lift required, it may be necessary to prime pump enough to wet pump ball valves.

1C.2- With the cylinder connected to the acetone discharge line, using the acetone pigtail, open the cylinder valve and acetone discharge valve. Admit sufficient acetone as determined in plant operating manual.

1C.3- Close acetone discharge valve and cylinder valve. Disconnect acetone pigtail from cylinder. The cylinder is now ready for acetylene charging. Refer to plant operating manual

## **1D    PREVENTIVE MAINTENANCE**

- 1D.1    Connect the pump to a clean air supply. If this is not possible, install a filter. It is cheaper to service and/or replace the filter than to create downtime by ignoring this item.
- 1D.2    Install pump so dry air only gets into the air motor. This will minimize lubrication wash.
- 1D.3    Lubricate air motor once or twice a week, depending on usage. Lubrication can be accomplished either manually or with an automatic oiler.
- 1D.4    Maintain cleanliness around the pump and keep the pump itself clean.
- 1D.5    When pump is taken out of action for extended periods of time, it should be cleaned and lightly oiled.
- 1D.6    The best assurance against downtime, as a result of planned or breakdown maintenance is the purchase of a reserve pump.

## **1E    REPAIR KITS**

The kits listed below are repair kits that are available for the 2-02-0136B pump. Special parts may be available by request via phone contact.

Part Number	Description	Quantity required
1-02-1904-1	Cylinder Unit Repair Kit	1
1-02-1904-2	Stroke Signal Valve Repair Kit	2
1-02-1904-3	18 mm Valve Repair Kit	1
1-02-1904-4	26 mm Valve Repair Kit	1

## **1F    DISCLAIMER**

It is the customer's responsibility to insure all installed components are compliant with all local codes/rules that would apply, domestically and internationally.

