

RPM-12-TM1 ASSEMBLY

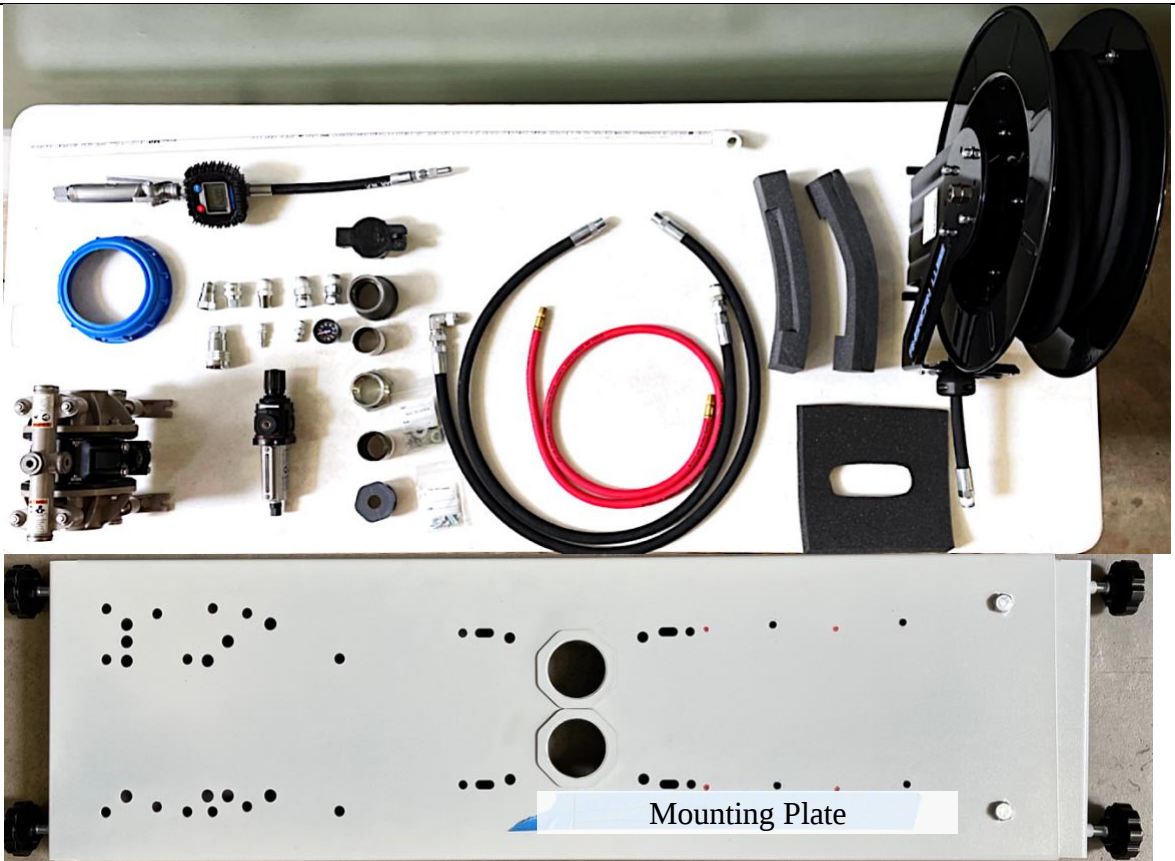
Prepared by:

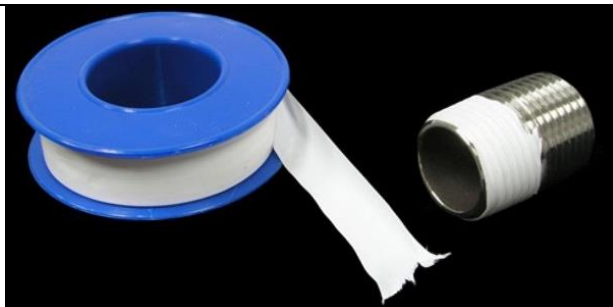
American Liberation Equipment Corporation

Purpose:

The Purpose of the document is to outline the steps to be taken when assembling RPM-12-TM1. Please note that this should be completed with the assistance of a second person.

Parts Overview:

Parts Layout	
	
- 2" x 1 1/2" Standard black bel - 1 1/2" x 1 3/4" Close nipple. - 1 1/2" x 3" nipple - 1/4"(M) x (M) air system pipe - Polycarbonate air gauge for us - 1/2" x 50' Advantage Plus oil - 1/2" hose ID, 1/2"(M) x 1/2" 9 - Tote bracket with 2 holes. - Digital metered control handle - High flow series 1/4" capacity - 1/2" diaphragm pump with polyp - 2" NPT (M) vented fill cap	- Micro Matic 6" Center mount hole - Air coupler - 1/4" NPT. - Module/Air 1500 Series 1/4" - Siphon tube for use with stub - Straight 1/2"(M) x 1/2"(F) - Double-tap bushing for mounting - 1/2" NPT(F) fluid coupler. Rat - 1/2" NPT(F) fluid connector. - Hardware kit - Insulation Kit for TIM-464-A B - 3/8" Air hose 5 ft with 1/4" N - Air system pipe nipples with 1

Tools Required	
- Crescent Wrench(s) - Or - Channel Lock(s)	
- Teflon Tape - Gasoila	 

Adjusting the Reel Arm

Because the Reel arm comes pre-installed with the position of the arm opposite of the plate, you will need to re-position the location of the arm

- Pull the hose a few feet to create a lockout
- Take and remove the four bolts in the arm in the image
- Rotate the position of the arm
- Place all four bolts back in and tighten up with wrench



Tank Position

When setting up the tank make sure the drain port is facing toward you to represents the “Front” of the tank.

This will allow you to position the mounting plate correctly during installation



Assembly

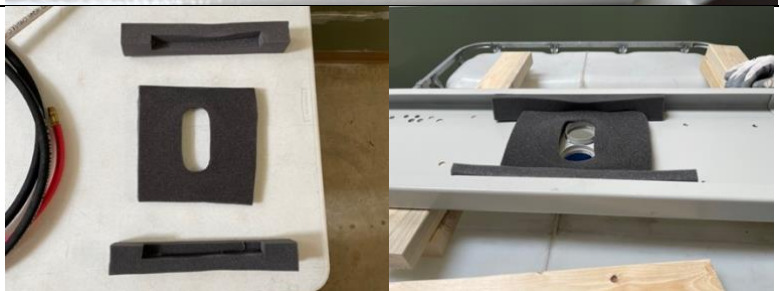
- Place the Micro Matic 6" Center mount with open hole on opening



- Place mounting plate on top and adjust railing for fitment

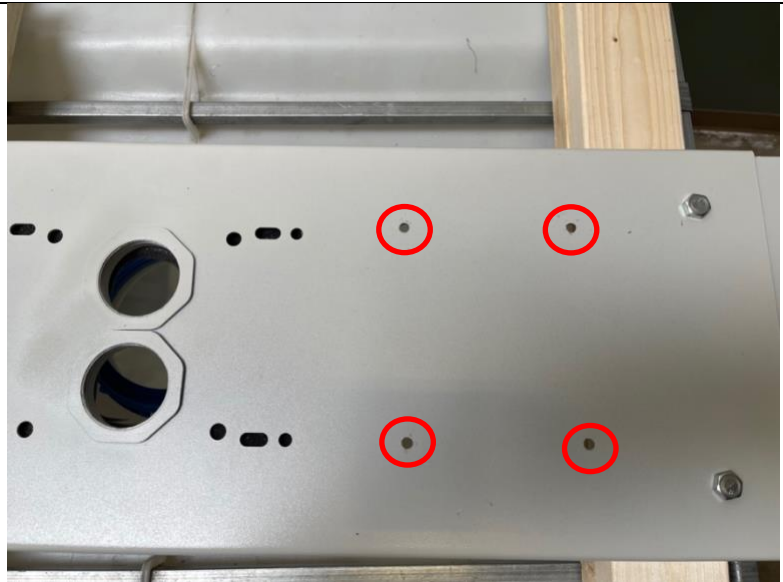


- Insert the three-piece foam in the underside of the mounting plate



Assembly

- With the Mounting plate turned over, locate the four holes that will line up with the diaphragm pump



- Place the diaphragm pump over the four holes.

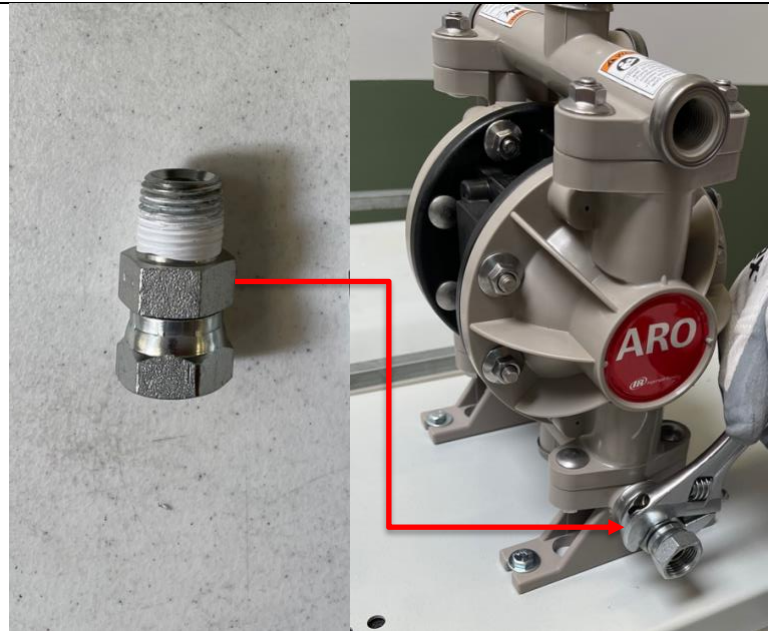
Make sure the connections are facing the BACK of the tank

- Place your four bolts with 8-washers, 4-lock washers, and four bolts
- Use the wrench to tighten the bolts

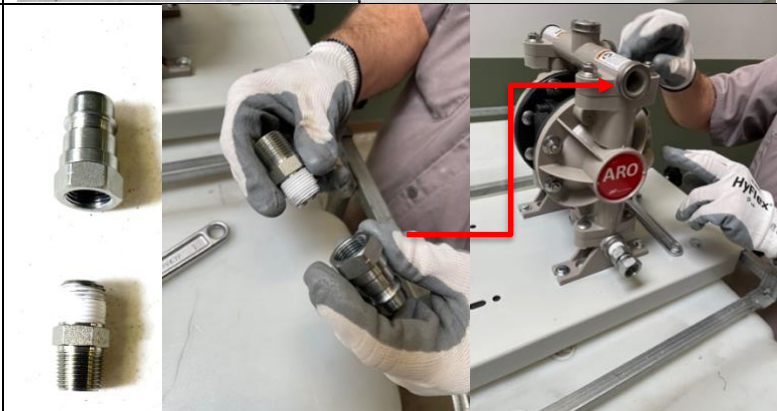


Assembly

- Apply Teflon and Gasoil to the ½ inch Swivel with male NPT
- Attach the swivel to the bottom port of the pump



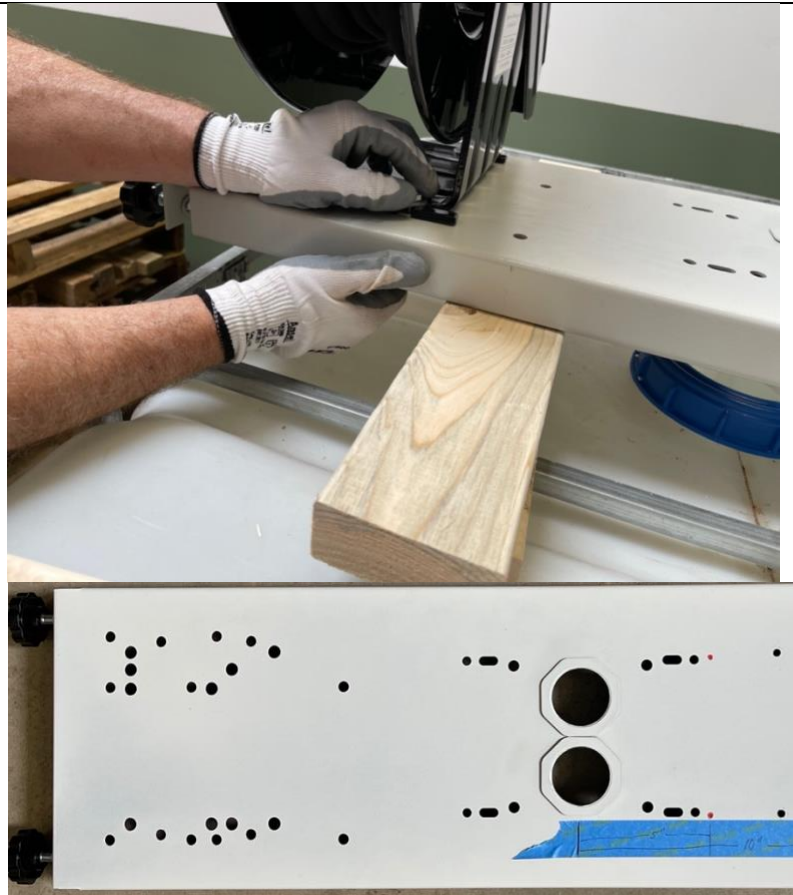
- Apply Teflon and Gasoil to the ½ inch pipe nipple (be sure to do both sides)
- Attach the quick connector to the nipple
- Thread the part to the top port of the pump



Assembly

- Place the reel on the opposite side of the mounting plate

Make sure the pull hose is facing the FRONT of the tank



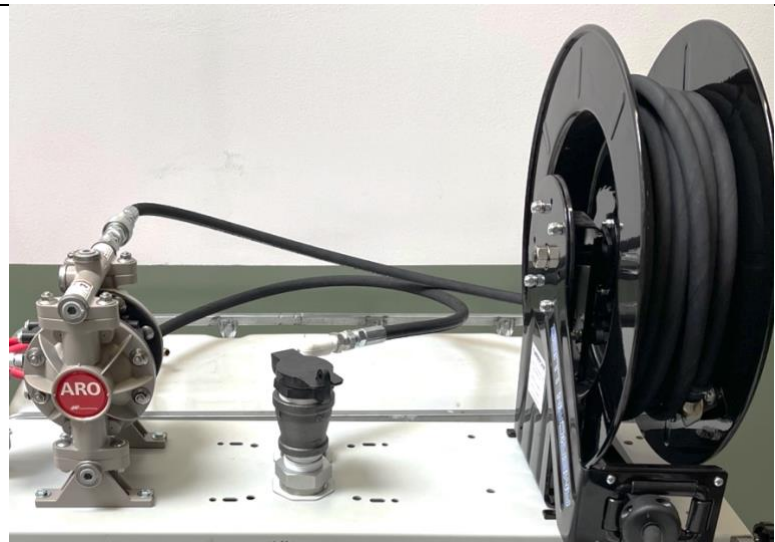
Assembly

Apply Teflon and Gasoil to the connections

- Pull and place the following parts in this order
 - Fill Cap
 - Bell Reducer
 - 1.5 close nipple
 - Double tap bushing
 - 1.5x3" nipple



- Make sure to place the fill connection in the hole closes to the front.



Assembly

- Slide the downtube through the grey PVC bushing
- Place the downtube behind the fill connection



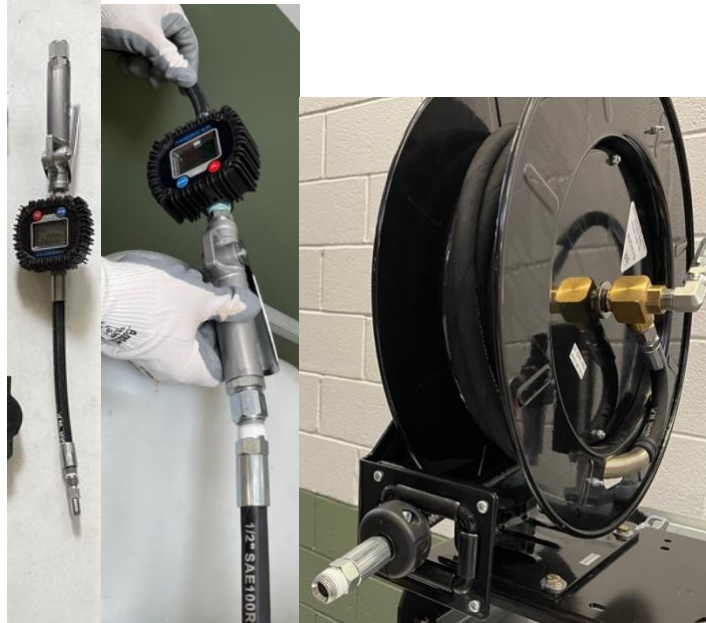
- Teflon and Gasoila the ½ swivel to the downtube stub.

Be cautious that once installed to not overtighten the connection.

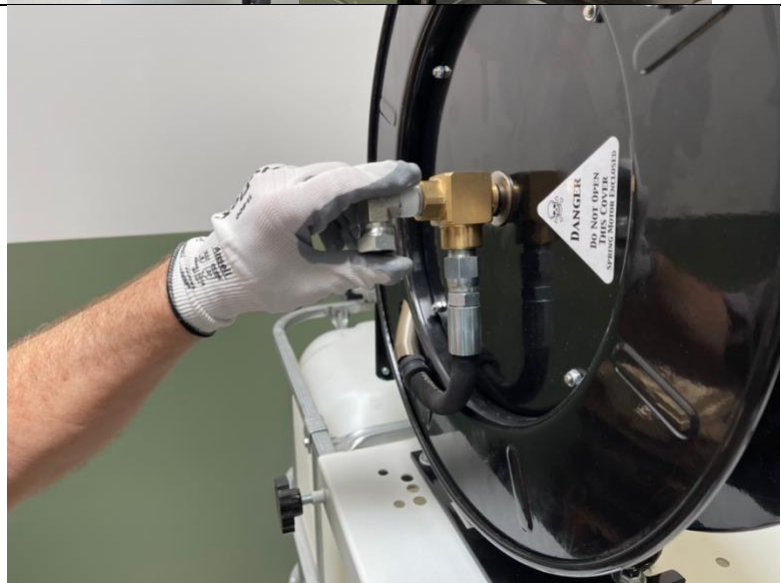


Assembly

- Pull the 601-Meter.
- Teflon and Gasoila the male on the reel.



- Teflon and Gasoila the ½ 90-degree swivel



Assembly

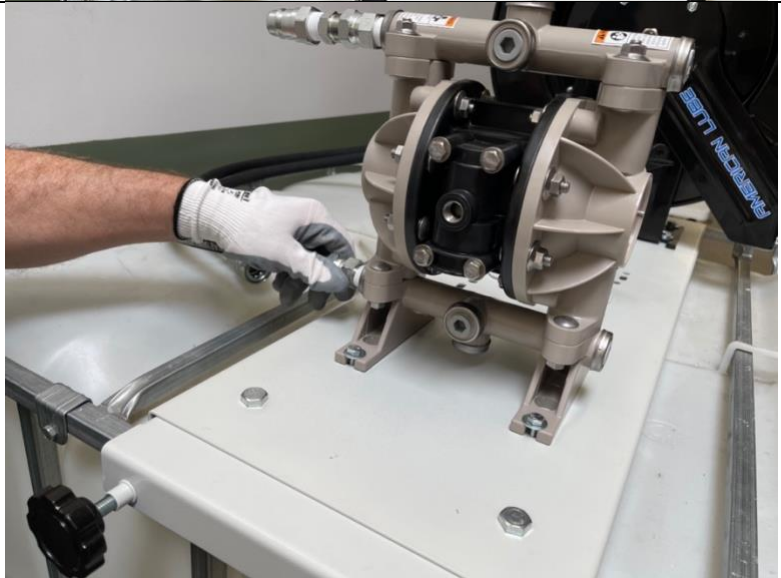
- Attach the male side of the hose to the ½ 90-degree swivel



- Attach the quick connect to the top connection of the pump



- Attach the male side of the hose to the ½ swivel



Assembly

- Attach the male side of the hose to the $\frac{1}{2}$ swivel connected to the downtube



Setting up the regulator

Make sure you collect the following,

- Pressure gauge (attached to face of regulator)
- $\frac{1}{4}$ male fitting (attached to the “IN” fill port on regulator)
- $\frac{1}{4}$ Female coupler (to be attached to the hose)
- $\frac{1}{4}$ Coupler
- Air hose (5' length)



Assembly

Make sure you identify your
portion of the regulators

IN – Connection comes from
compressor

OUT – Feeds the Pump

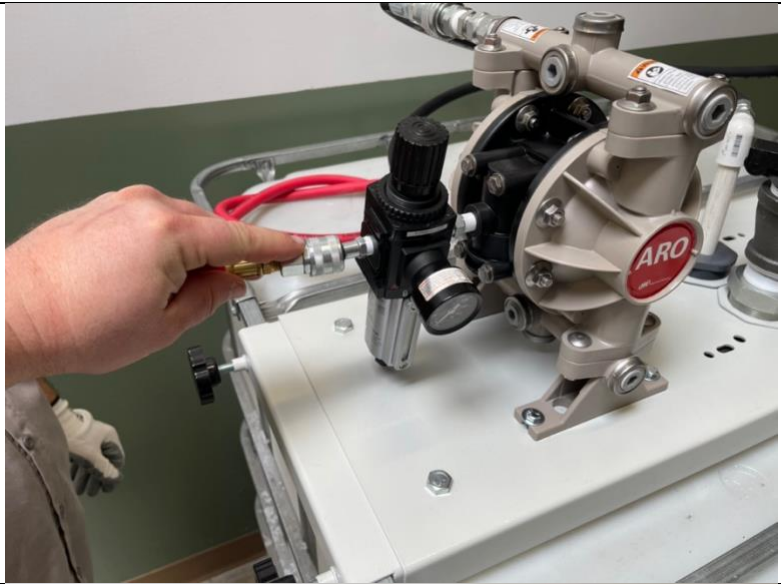


- Attach ¼ inch coupler



Assembly

- Thread on the regulator to the ¼ coupler



You have now completed the assembly for the RPM-12-TM1



If you have any question or concerns, please contact us at Customerservice@americanlub.com