

# AFCO Installation & Operation Instructions

## Model #AF 919050 • Mini-Central System

### REQUIREMENTS

#### Ready-to-Use Chemical Solution

**Compressed Air** 16 CFM

**Hose** 3/4" x 15'

### OPTIONS

#### Air Pump Diaphragm Options - Santoprene Standard

Teflon Diaphragm Upgrade For 1/2" Air Pump # 710919

#### Level Masters to Supply Ready-To-Use Chemical

20 Gallon Level Master # 989020

40 Gallon Level Master # 989040

60 Gallon Level Master # 989046

20 Gallon Gemini Level Master # 989060

40 Gallon Gemini Level Master # 989070

#### Drum & Tote Stick Lengths, Styles & Seal Materials

Drum Stick, 33" (Viton or EPDM) # 491643 / 491643-E

Drum Stick, 48" (Viton or EPDM) # 491648 / 491648-E

Drum Stick, 54" (Viton or EPDM) # 491645 / 491645-E

Tote Stick, 48" (Viton or EPDM) # 491654 / 491654-E

Tote Stick, 54" (Viton or EPDM) # 491656 / 491656-E



### WEIGHT & DIMENSIONS

**Shipping Weight: 42 lbs.**

**Shipping Dimensions: 25" x 25" x 12"**



<http://www.afcocare.com>

**READ ALL  
INSTRUCTIONS BEFORE  
USING EQUIPMENT!**

## Overview

The Mini-Central System is a compressed air driven system that will pump neat or ready to use chemical solutions for a variety of applications. Used to transfer chemicals, fill vessels and feed remote Pump Fed Foamers or Sanitizing Hose Drop Stations. As a transfer system it will pump up to 12 GPM and as a central chemical feed system it will pump up to 7.5 GPM @ 50 PSI.

**AFCO • 5000 Letterkenny Rd • Chambersburg, PA. 17201 • 1-800-345-1329**



## Safety & Operational Precautions

- See pump operations instructions for proper maintenance and start up procedures.
- Must use clean dry air!
- The pumps gasketed fasteners have been tighten and tested according to manufacturers specifications and should be checked after the first use to prevent possible leakage and damage.
- Manufacturer assumes no liability for the use or misuse of this unit.
- Wear protective clothing, gloves and eye-wear when working with chemicals.
- Follow the chemical manufacturer's safe handling instructions.
- DO NOT use chemicals that are not compatible with the Santoprene diaphragms.
- Optional Teflon diaphragms available.

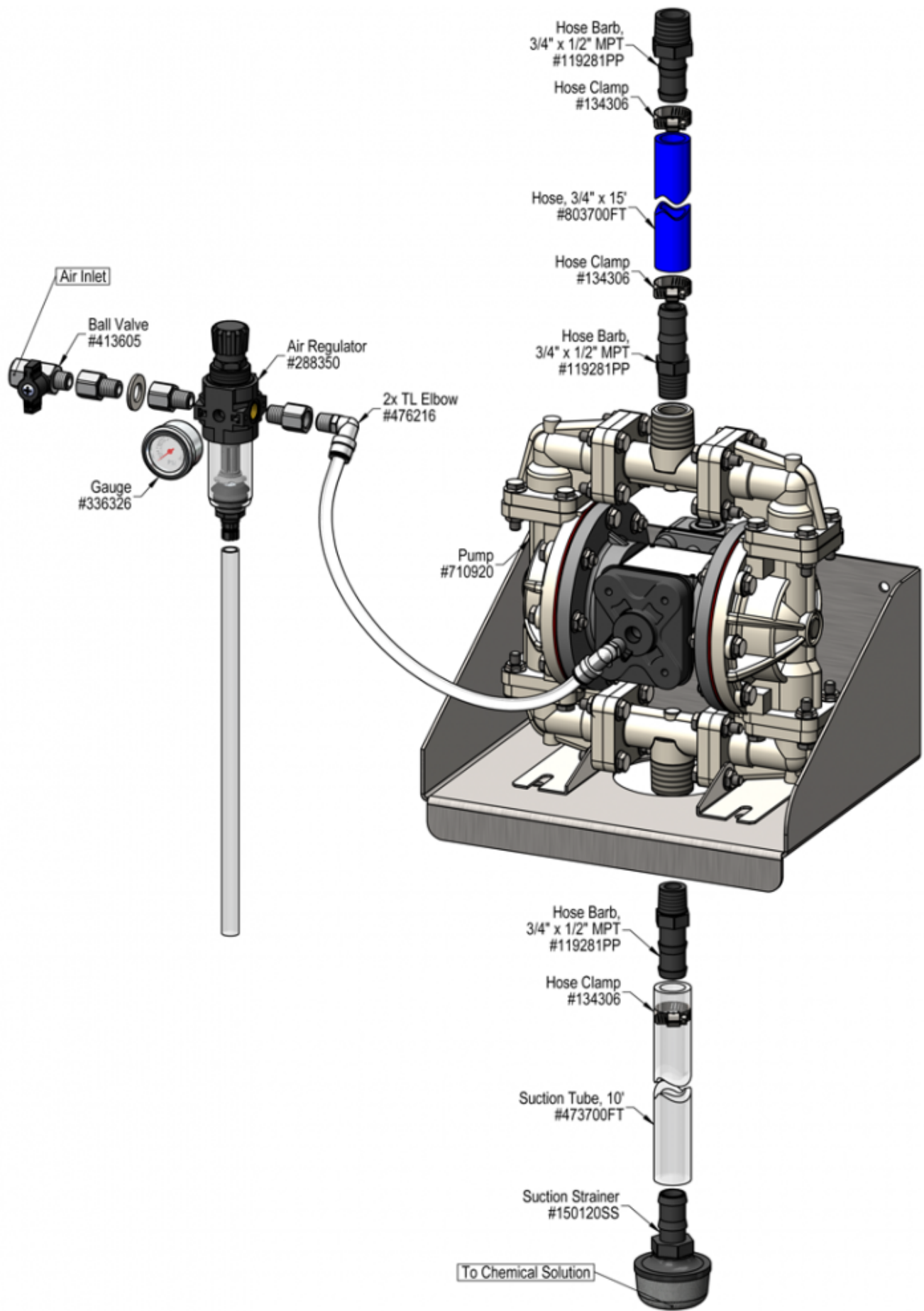
### TO INSTALL (REFER TO DIAGRAM, NEXT PAGE.)

1. Mount the unit to a suitable surface.
- 2. Connect a clean dry compressed airline.**
3. Connect the suction tube to the hose barb.
4. Place the strainer in a container of neat or ready to use chemical solution.
5. Connect the short flexible discharge hose the the discharge hose barb. Never hard plumb directly to the pump. Always use the flexible hose as the first section.
6. Either use this hose or a longer one for transferring or filling containers.
7. For using as a central feed system connect the hose to the distribution manifold. To reduce pressure loss take into consideration the length of the manifold and the expected GPM use to determine manifold size.

### TO OPERATE

You are now ready to operate the system depending on what the application is.

1. Turn the inlet ball valve slightly till the pump primes then open fully to begin pumping



# Troubleshooting Guide

## AF 919050 • Mini-Central System

Problem	Possible Cause / Solution	
	Startup	Maintenance
A) Air pump will not run/pump.	1, 2, 3	4, 5, 6, 7
B) Pump runs too fast with no output.	1	8
C) Unit will not draw solution.	1, 2, 3	4, 5, 6, 7
D) Pump Leaking.	1	

Possible Cause / Solution	
Startup	Maintenance
<p><b>1. Problem with air pump</b></p> <ul style="list-style-type: none"> <li>Refer to air pump instruction manual. After the first use check the gasketed bolts for loosening, tighten if needed. Do not over tighten.</li> </ul> <p><b>2. Air pressure too low</b></p> <ul style="list-style-type: none"> <li>Open air ball valve fully after pump has primed.</li> <li>The air regulator has been pre-set at 80 psi. Do not go over 100 PSI!</li> </ul>	<p><b>3. Check air muffler for signs of dirty air.</b></p> <ul style="list-style-type: none"> <li>Clean muffler.</li> </ul> <p><b>4. Air regulator clogged or failed</b></p> <ul style="list-style-type: none"> <li>Clean or replace.</li> </ul> <p><b>5. Solution suction tube not immersed in chemical or chemical depleted</b></p> <ul style="list-style-type: none"> <li>Immerse tube or replenish</li> </ul> <p><b>6. Solution strainer blocked</b></p> <ul style="list-style-type: none"> <li>Clean or replace.</li> </ul> <p><b>7. Solution suction tube stretched out where tube slides over hose barb or pin hole/cut in tube (sucking air in)</b></p> <ul style="list-style-type: none"> <li>Cut off end of tube or replace tube.</li> </ul> <p><b>8. Vacuum leak in solution pick-up connections</b></p> <ul style="list-style-type: none"> <li>Tighten the connection.</li> </ul>

**PREVENTIVE MAINTENANCE:** When the unit will be out of service for extended periods, place chemical tube(s) in water and flush the chemical out of the unit to help prevent chemical from drying out and causing build-up. Periodically check and clean chemical strainer and replace if missing.

