

# OPERATOR'S MANUAL

# CM0430G1XXXXXXXX

**INCLUDING: OPERATION, INSTALLATION AND MAINTENANCE.**

RELEASED: 2-15-10  
(REV. 01)

INCLUDE MANUALS: AF0430GXXXX-XX-X PUMP (PN 97999-1500) & S-636 General Information (pn 97999-636).

**4 1/4" AIR MOTOR**  
**30:1 RATIO**  
**4" STROKE**

## CM0430G1XXXXXXXX PUMP AND CART PACKAGE



**READ THIS MANUAL CAREFULLY BEFORE INSTALLING,  
OPERATING OR SERVICING THIS EQUIPMENT.**

It is the responsibility of the employer to place this information in the hands of the operator. Keep for future reference.

### SERVICE KITS

- Use only genuine ARO® replacement parts to assure compatible pressure rating and longest service life.
- **637489** for repair of Air motor.
- **637074-X43** for repair of lower pump section.

### MODEL DESCRIPTION CHART

CM 04 30 G 1 XXXXX XX X	
<b>Package</b> CM- Cart Mounted	
<b>Air Motor Size</b> 4 - 4 1/4"	
<b>Pump Ratio</b> 30 - 30:1	
<b>Check Type / Wetted Materials</b> G - 2 Ball / Hard SS with Big Inlet	
<b>Container Suitability</b> 1 - Stub	
<b>Lower Pump End Options</b> Refer to pump model operator's manual	
<b>Follower Assembly</b> 00 - None	
<b>Package Option</b> 0 - None 1 - Integrated ball valve regulator on pump	

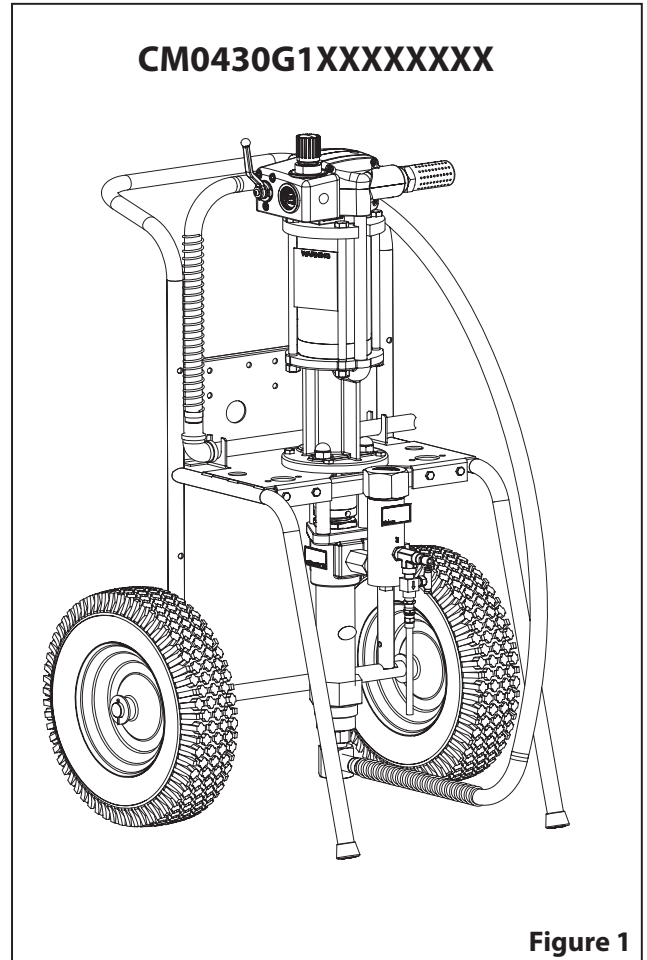


Figure 1

### GENERAL DESCRIPTION

By delivering a smooth, continuous bead of the proper size, an ARO system helps the operator maintain both production rate and produce high quality standards. Maintained quality standards assures that the material benefits are realized. To further maximize operator production time, the ARO system has a built-in lift / ram feature for quick and easy drum changeover and easy lifting of the pump assembly from the container.

ARO systems are totally enclosed, sealing the material in the system from air and moisture, preventing premature cure-out of the material. This allows for either continuous or intermittent use of the system and allows the need for daily system clean-up.

## PARTS LIST / CM0430G1XXXXXXX

Item	Description (size)	Qty	Part No.
1	Pump Assembly	(1)	AF0430G1XXXXX-1
2	Cart Assembly	(1)	67139
3	Plug (3/8")	(2)	Y17-13-S
4	Suction Tube	(1)	94263-1
5	3/4" Suction Hose Assembly	(1)	622606-5
6	90° Elbow (3/4")	(1)	Y43-15-S
7	Plug	(1)	Y17-11-S
8	90° Adapter (1" (m) x 1/4" (f) x 3/4" (f))	(1)	94254
9	Nut (3/8" - 16)	(4)	Y12-6-C
10	Screw (3/8" - 16 x 1-1/4")	(4)	Y6-66-C
11	Washer (3/8")	(4)	Y13-6-C
12	Material Filter (includes item 3)	(1)	651422-70

Item	Description (size)	Qty	Part No.
13	Bushing (1/2" - 14 (m) x 1/4" - 18 (f))	(1)	94271
14	Street Tee (1/4" - 18)	(1)	94270
15	Nipple (1/4" - 18 (m))	(1)	1950
16	Needle Valve	(1)	94269
17	Hose Assembly	(1)	628092-F
18	Adapter (1" (m" x 1/4" (f) x 3/4" (f))	(1)	94256

### OPERATING INSTRUCTIONS

**⚠ WARNING** DO NOT EXCEED MAXIMUM OPERATING PRESSURE OF 4500 P.S.I. (310 BAR) AT 150 P.S.I. (10.3 BAR) AIR INLET PRESSURE.

**⚠ WARNING** REFER TO THE PUMP MANUAL FOR ADDITIONAL OPERATING AND SAFETY PRECAUTIONS AND OTHER IMPORTANT INFORMATION.

### INSTALLATION

#### OPERATING INSTRUCTIONS / INITIAL SETUP PROCEDURE

This unit comes assembled except for the air supply hose, gun and material hose which must be attached.

- A connector, coupler and air supply hose and must be supplied to the air regulator.
- Attach a Ground wire to a suitable ground and the Ground Lug provided on the pump Air Motor.
- Keep containers covered to prevent contamination.

1. Turn the knob on the air regulator counter-clockwise to zero p.s.i.
2. Attach hose and gun. Place pump inlet tube into a full container of material.
3. Start the pump to cycle by turning the air regulator knob clockwise. The pump will cycle several strokes until pressure is built up in the system, at which time it will stall, check for any loose fittings or leakage. Check all connections and re-tighten as necessary.
4. Relief Valve is used to relieve pressure in the hose in order to change spray tips. Open the relief valve to relieve pressure. Close the relief valve to continue spray operation.

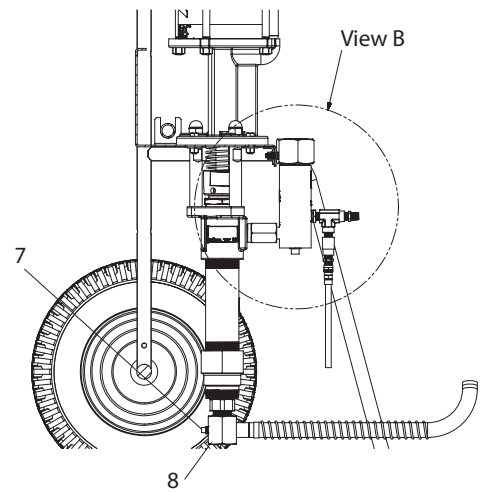
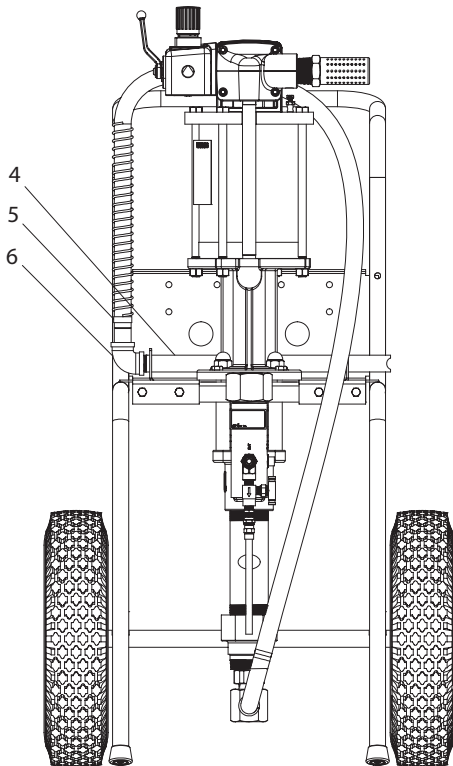
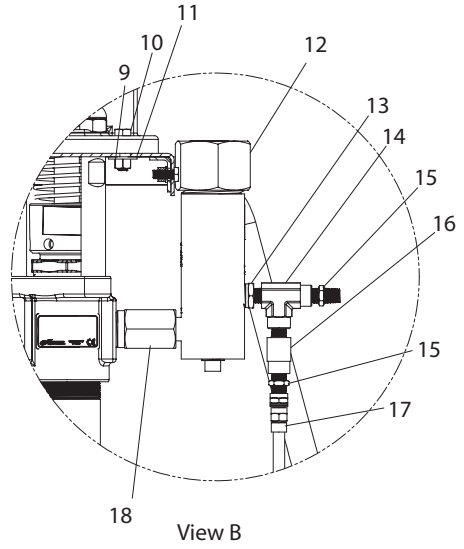
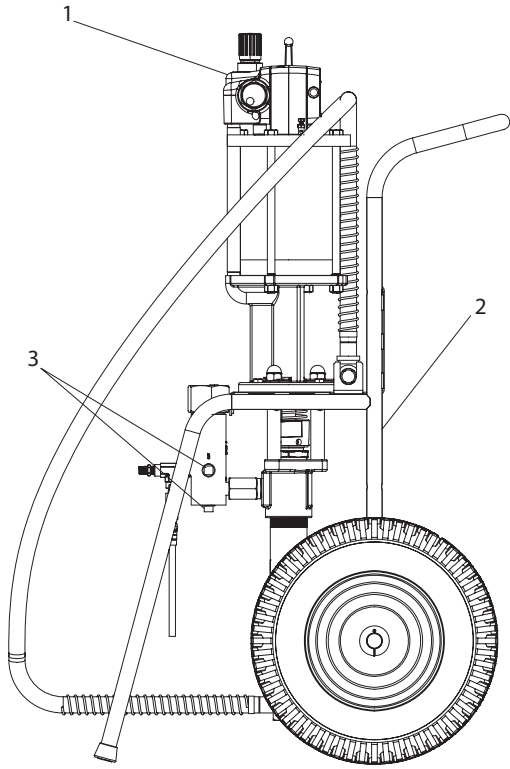


Figure 2

# DIMENSIONAL DATA

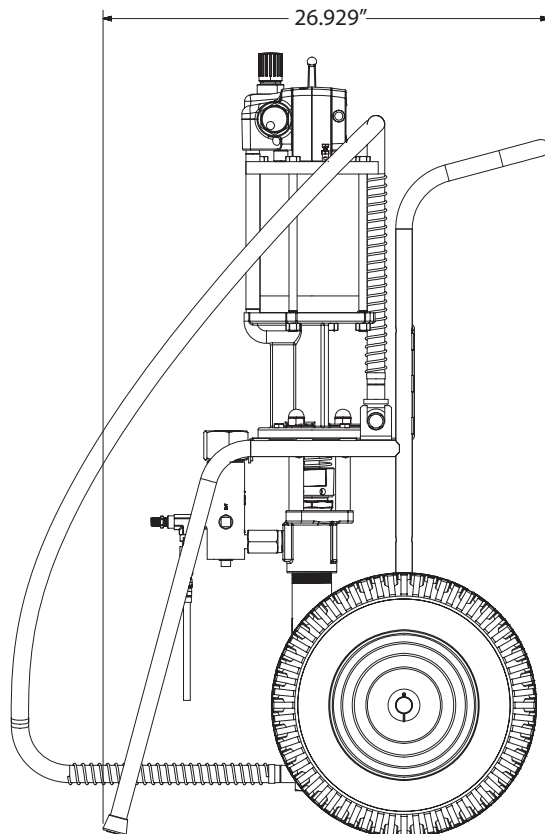
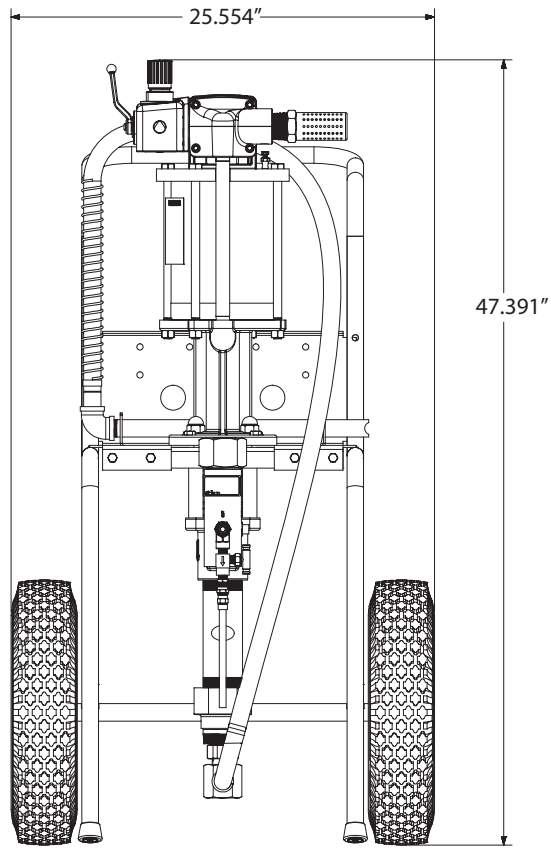


Figure 3