PERATOR'S MANUAL 613123-X SPECIFICATIONS, SERVICE KITS, GENERAL INFORMATION, TROUBLESHOOTING RELEASED: 1-14-00 INCLUDE MANUALS: 6694X-X LOWER PUMP END (PN 97999-12) & **REVISED:** 7-24-02 S-632 GENERAL INFORMATION MANUAL (PN 97999-624) (REV. B) 613123-XXF-C **10" AIR MOTOR TWO BALL PUMP SERIES** 15:1 RATIO 6" STROKE **300 SERIES STAINLESS STEEL** 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 PUMP DATA Use only genuine ARO® replacement parts to assure compatible MODEL 613123-XXF-C pressure rating and longest service life. 637110 for repair of Air Motor section. Service Note: The Air Motor Service / Parts Manual is not shipped Air Exhaust (female) 900P θ with the pump but it is included with each service kit. If this Service / 0 1-1/4 - 11-1/2 N.P.S.M. A A Parts Information is needed, request the Air Motor Operator's Manual from ARO (manual 66651-B, PN 97999-869). Air Inlet (not shown) 3/4 - 14 N.P.T.F. - 1 (female) 637211-XX3 for repair of Lower Pump section. 46-3/16" Refer to the chart on page 2 for description of -XXF options. (1173.1 mm) Air Motor 66651-B (see manual 66651-B) **SPECIFICATIONS Spacer Section** Model Series (refer to option chart) 613123-XXF-C Lockwasher Y14-750-K (6) Туре Air Operated, Two Ball Ш **Double Acting Pump** Connector (see figure 2) Ratio 15:1 66651-B Air Motor Spacer Rod 93866 (3) 637110 26-11/32" Motor Diameter 10" (25.4 cm) (669.1 mm) Stroke 6" (15.2 cm) Hex Cap Screw Y6-128-C (6) Air Inlet (female) 3/4 - 14 N.P.T.F. - 1 Material Outlet (female)

Air Exhaust (female)	1-1/4 - 11-1/2 N.P.S.M.
Lower Pump End Series	66942-XXF
Lower Pump Repair Kit	637211-XX3
Material Inlet (male)	2 - 11-1/2 N.P.T.F 1
Material Outlet (female)	1-1/4 - 11-1/2 N.P.T.F 1
Weight	125 lbs (56.7 kgs)

PERFORMANCE

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* The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (L_{Aeq}) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations. Material Inlet

FIGURE 1

Accessories Available: 66718 Muffler, 66542 Wall Bracket, 65139 Floor Mount.

IMPORTANT

This is one of the four documents which support the pump. Replacement copies of these forms are available upon request. 613123-X-C MODEL OPERATOR'S MANUAL

- GENERAL INFORMATION INDUSTRIAL PISTON PUMPS
- 6694X-X LOWER PUMP END OPERATOR'S MANUAL

66651-B AIR MOTOR OPERATOR'S MANUAL

14-21/32"

(372.3 mm)



1-1/4 - 11-1/2 N.P.T.F. - 1 (90° from air exhaust)

(see manual 6694X-X)

Lower Pump 66942-XXF

2" - 11-1/2 N.P.T.F. - 1 (male)

PUMP OPTION DESCRIPTION CHART



- The Two-Ball pumps are primarily designed for the high volume • transfer of light and medium viscosity fluids. Stainless Steel construction offers compatibility with a wide range of fluids. The lower pump is designed for easy priming and the double acting feature is standard in all ARO industrial pumps. Material is delivered to the pump discharge outlet on both the up and down stroke.
- The motor is connected to the lower pump end by a spacer section. This allows for lubrication of the upper packing gland and prevents motor contamination because of normal wear and eventual leakage through the material packing gland. Be sure the solvent cup is adeguately filled with lubricant to protect the upper packings and insure longest service life.

TROUBLE SHOOTING

Pump problems can occur in either the Air Motor Section or the Lower Pump End Section. Use these basic guidelines to help determine which section is affected.

If the pump will not cycle.

- Be certain to first check for non-pump problems including kinked, re-• strictive or plugged inlet / outlet hose or dispensing device. Depressurize the pump system and clean out any obstructions in the inlet / outlet material lines.
- Refer to the motor manual for trouble shooting if the pump does not cycle and / or air leaks from the air motor.

If the pump cycles but does not deliver material.

Refer to the lower pump end manual for further trouble shooting.

- Remove the three (Y6-128-C) cap screws and (Y14-750-C) lock
- Pull the air motor from the lower pump end until motor piston rod is in
- Remove the three spacer rods by removing the three (Y6-128-C)
- sleeve to move upward and release the two connectors (figure 2).



REASSEMBLY

- 1. Align the pump motor with the lower pump end. Position the air inlet of the motor 180° from the material outlet.
- 2. Install the two connectors and retain with the sleeve, slide the "e" ring back into position.
- Assemble the three spacer rods to the lower pump and secure using 3. three (Y14-750-K) lock washers and (Y6-128-C) cap screws.
- 4. Reinstall the spacer rods to the pump motor.
- 5. Bring the motor and lower pump together and retain with three (Y14-750-K) lock washers and (Y6-128-C) cap screws.

