OPERATOR'S MANUAL	<u> </u>
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 pressure rating and longest service life. <u>637315</u> for repair of Hydraulic Motor section. <u>637230- X43</u> for repair of Lower Pump section. Refer to the chart on page 2 for description of -XXX options. 	MODEL 650925-X43-B Hydraulic Inlet 3/8-18 NPTF-1(f)
SPECIFICATIONS	(Not Shown)
SPECIFICATIONS Model Series (Refer to option chart) 650925-X43-B Type Hydraulically Operated, Four Ball Ratio 0.3:1 Hydraulic Motor 67147 Motor Repair Kit 637315 Motor Size 2.062 sq." (13.3 sq. cm) Stroke 6" Hydraulic Inlet 3/8" - 18 NPTF-1(f) Hydraulic Return 1/2" - 14 NPTF-1(f) Hydraulic Return 1/2" - 14 NPTF-1(f) Lower Pump End Series 66951-X43 Lower Pump Repair Kit 637230-X43 Material Inlet N/A Material Outlet 3/4" NPTF-1 (f) PERFORMANCE Hydraulic Inlet Pressure Range 50 - 1200 psi (3.4 - 83 bar) Fluid Pressure Range 50 - 1200 psi (3.4 - 83 bar) Fluid Pressure Range 50 - 1200 psi (3.4 - 83 bar) Hydraulic flow req'd @ 50 cpm 3.2 @ 1200 (83 bar) Hydraulic flow req'd @ 50 cpm 8.7 gpm (32.9 lpm) Max. Rec'd Cycles / Minute 50 Displacement In ³ Per Cycle 82.172 Volume / Cycle 2.8 Flow @ 50 Cycles / Minute 17.8 gpm (67 l	Hydraulic Outlet 1/2-14 NPTF-2(f) Hydraulic Motor 67147 (See Manual 67147) Spacer Section SCREW 93342-1 (3) WASHER Y14-625-C (3) CONNECTOR (See Figure 2) SPACER ROD 93580-1 SPACER ROD 93580-2 (2) Material Outlet 3/4" NPTF-1(f) 191° FROM HYDRAULIC INLET 14-21/32 (372 mm) COMPERING Geost - X43 (See Manual 6695X-X)
Maximum Temperature Limit \dots 130 $^{\circ}$ F (54 $^{\circ}$ C)	FIGURE 1
	Accessory Available: 93351-1 Wall Bracket and 66547 Floor Mounting Flange. IMPORTANT This is one of the four documents which support the pump. Replacement copies of these forms are available upon request. 650925-X-B MODEL OPERATOR'S MANUAL GENERAL INFORMATION - INDUSTRIAL PISTON PUMPS 6695X-X LOWER PUMP END OPERATOR'S MANUAL 67147 HYDRAULIC MOTOR OPERATOR'S MANUAL

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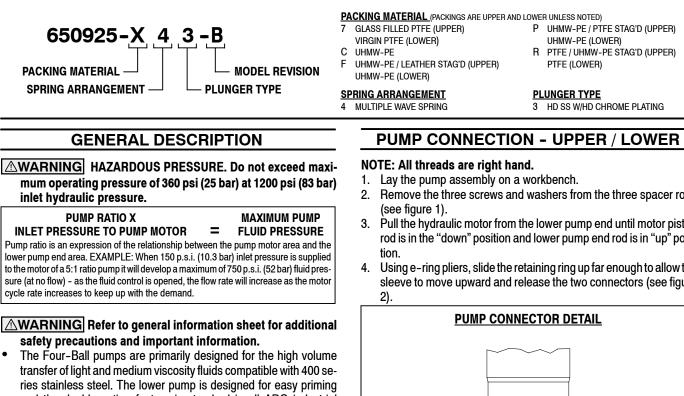
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PUMP OPTION DESCRIPTION CHART



- 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 Hydraulic Motor Section or the Lower Pump End Section, use these basic guidelines to help determine which section is affected.

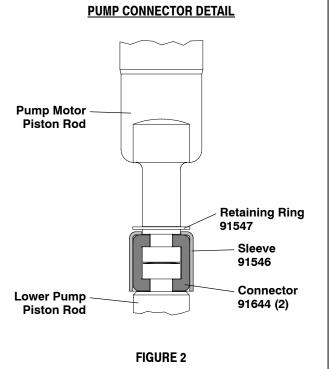
If the pump will not cycle.

- Be certain to first check for non-pump problems including kinked, restrictive 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 hydraulic fluid leaks from the hydraulic motor.

If the pump cycles but does not deliver material.

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

- Remove the three screws and washers from the three spacer rods
- Pull the hydraulic motor from the lower pump end until motor piston rod is in the "down" position and lower pump end rod is in "up" posi-
- Using e-ring pliers, slide the retaining ring up far enough to allow the sleeve to move upward and release the two connectors (see figure



REASSEMBLY

- 1. Align the pump motor with the lower pump end.
- Install the two connectors and retain with the sleeve, slide the retain-2. ing ring back into position.
- Reinstall the spacer rods to the pump motor. 3.
- Bring the motor and lower pump together and retain with the three 4 screws and washers.



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