

# OPERATOR'S MANUAL

# 650717-C

INCLUDING: OPERATION, INSTALLATION & MAINTENANCE

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(REV. 04)

## 1" DIAPHRAGM PUMP U.L. LISTED, 1:1 RATIO (METALLIC)



**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.

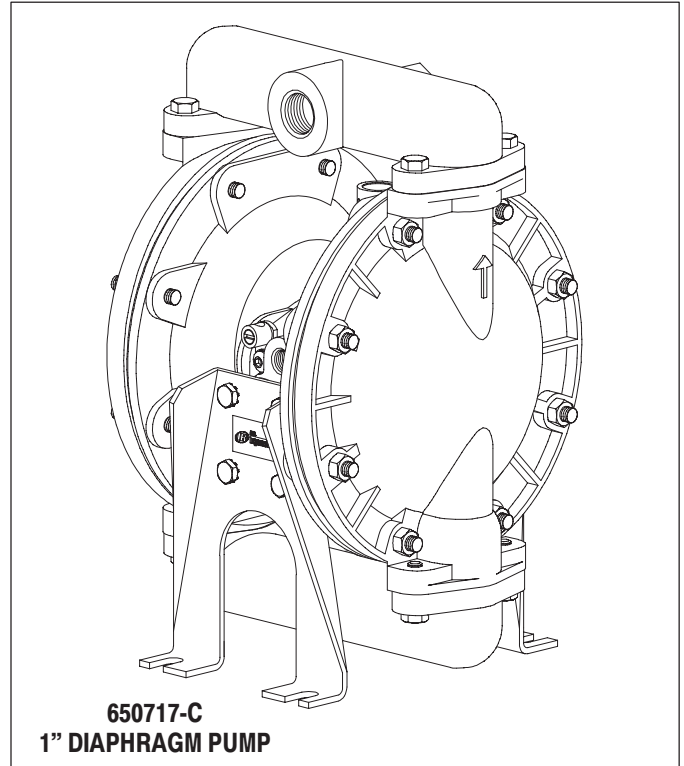
### SERVICE KITS

637118-C for air section repair (see page 6).  
637137-63-C for fluid section repair.

### PUMP DATA

<b>Models</b> .....	650717-C
<b>Application</b> .....	Diesel Fuel, Kerosene, Aviation Fuel, Fuel Oil and Unleaded Fuel
<b>Pump Type</b> .....	U.L. Listed Metallic Air Operated Double Diaphragm for use with Petro- leum Product Dispensing Systems
<b>Material</b> .....	see "Model Description Chart"
<b>Weight</b> .....	22.0 lbs (9.96 kg)
<b>Maximum Air Inlet Pressure</b> .....	50 p.s.i. (3.4 bar)
<b>Maximum Outlet Pressure</b> .....	50 p.s.i. (3.4 bar)
<b>Maximum Flow Rate (flooded inlet)</b> ....	29 g.p.m. (109.8 l.p.m.)
<b>Maximum Particle Size</b> .....	1/8" (3.2 mm)
<b>Maximum Temperature Limits</b> .....	10° - 180° F (-12° to 82° C)
<b>Dimensional Data</b> .....	see page 8
<b>Noise Level @ 70 p.s.i., 60 c.p.m.</b> ....	64.5 db(A)*

\* The pump sound pressure levels published here have been updated to an Equivalent Continuous Sound Level ( $L_{Aeq}$ ) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROPS5.1 using four microphone locations.



### GENERAL DESCRIPTION

The ARO U.L. listed pump for pumping petroleum products, offers high volume delivery at low air pressures and easy self-priming. This model is designed specifically for the transfer, bulk un-loading or fueling applications. It includes a pressure relief valve (per U.L. Specification 79) which restricts the fluid outlet pressure to under 50 p.s.i. (3.4 bar), The relief valve can be plumbed to return the bleed off fuel to the storage container.

### MODEL DESCRIPTION CHART

	<b>65071 X - C</b>
<b>DIAPHRAGM MATERIAL</b> _____	
7 - Viton®	
<b>CENTER BODY MATERIAL, THREADS</b>	
Aluminum, 1 - 11-1/2 N.P.T.F. - 1	
<b>FLUID CAP / MANIFOLD MATERIAL, INLET / OUTLET</b>	
Aluminum, Single (Steel Hardware)	
<b>SEAT MATERIAL</b>	
P.V.D.F. (Kynar®)	
<b>BALL MATERIAL</b>	
Acetal	