

OPERATOR'S MANUAL

INCLUDING: OPERATION, INSTALLATION & MAINTENANCE
ALSO INCLUDE MANUALS: 635142 AND 635148

611301

RELEASED:05-25-76
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(REV. B) IPP/PSE

2:1, 4:1 OR 7:1 RATIO
35 LB. PAIL

611301 and 611302 HAND OPERATED PUMPS

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



611301 611302

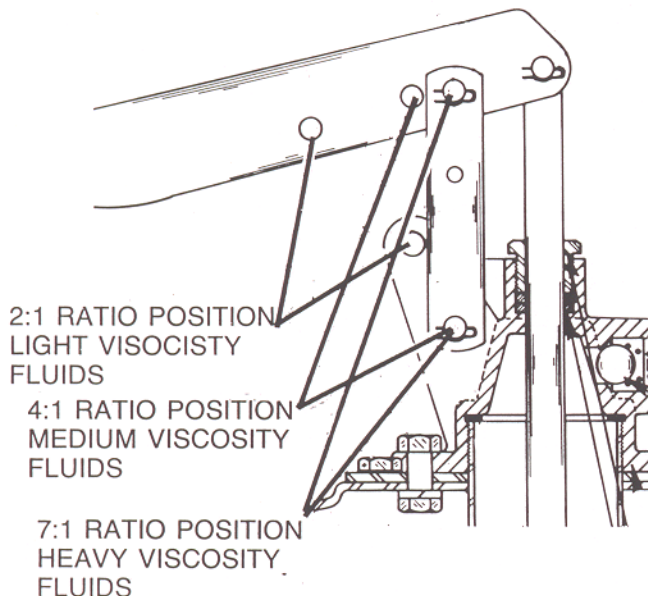
HAND OPERATED METERED GEAR LUBRICATOR



MULTI-PURPOSE HAND OPERATED PUMP RATIO ADJUSTMENT

The ARO multi-purpose hand operated pumps are designed so the ratio can be easily adjusted to handle any viscosity fluid. The diagram illustrates the location of the linkage to obtain any one of the three different ratios.

The lower the ratio set, the more volume of fluid will be dispensed with each stroke. However, the heavier the viscosity of the fluid, the higher the ratio should be and the volume per stroke will be reduced accordingly. Therefore, the unit should be set at the ratio at which you receive the most volume and the unit still operates with an easy stroking effort. When using the model 611301 or 611302 to fill the Aro-Pak, we recommend 7:1 ratio. On other applications, set at most efficient operation.



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ASSEMBLY

Install handle. The linkage hook-up shown in service drawing on reverse side illustrates the 7:1 ratio and this pump will generally work best at this setting. The paragraph on ratio adjustment will aid you in deciding which ratio you should use and the numbers stamped on the handle and the pump will guide you in making the setting. Example: Should you desire a 4:1 ratio, simply connect 72027 Link to pump at position marked "4" and to handle, also, at position marked "4".

CAUTION: Always install 72027 link so cross pin is closer to handle than to pump (see drawing).

SERVICE HINTS

1. If you are unable to operate pump, the ratio setting may be too low for material being pumped. If this is not the case, check suction tube for damage or obstruction.
2. If pump operates, but dispenses little or no lubricant, remove Y171-5 Nut, 72064-2 Body and 72042 Plate, and check for foreign matter which may be holding plate 72042 off seat. Also, make sure plate or seat is not bent or scored.
3. If leakage occurs between plunger rod and 72058 gland, tighten gland just enough to stop leakage. Do not over-tighten - causing excessive packing wear.

