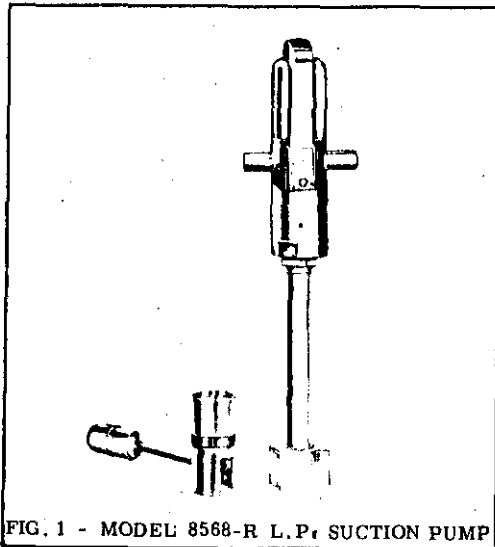


TYPICAL PUMPS USED WITH STEWART WARNER
 AUTOMOTIVE OIL DISPENSING METERS
 WITH MEANS FOR PREVENTING PUMPING OF AIR

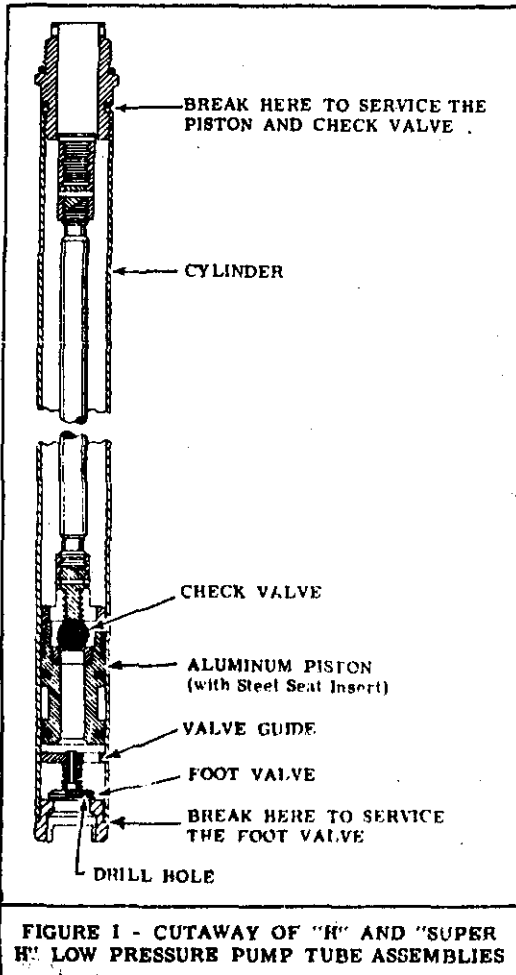
S.WA-600



DESCRIPTION

The Model 8568-R Low Pressure Suction Pump is designed to pump meter oil from underground tanks. Model 8568-AR pump is identical to Model 8568-R, but comes equipped with a bung adaptor. This enables the pump to be used on an accessible bulk tank of the 275 gallon storage capacity type. This medium duty pump is capable of delivering motor oil thru systems where supply lines are of some length between storage tanks and hose reel or other bulk oil service outlets.

Low Level Cut-off Valve G-321206 is available as an accessory for both pumps. This float actuated valve will shut off when the oil level drops too low, assuring a constant prime and preventing the pumping of air through the metered outlets.



Model	Description
358484	"H" and "Super H" low pressure pump tube assembly for use with 120 pound drums.
398486	"H" and "Super H" low pressure pump tube assembly for use with 400 pound drums.

The "H" and "Super H" low pressure pump tube assemblies are designed to dispense lubricant directly from the original drum.

These "H" and "Super H" low pressure pump tube assemblies have a spring loaded ball check in the piston and a spring loaded foot valve.

The low pressure pump tube assemblies are easily serviced as the entire mechanism can be serviced without removing the head.

II. PRINCIPLES OF OPERATION

At the start of the up-stroke the ball check in the piston closes, lifting the lubricant above the piston out into the lines. At the same moment the ball check closes, the foot valve opens, admitting lubricant into the cylinder.

At the start of the down stroke, the foot valve closes and any air which may have entered the cylinder is expelled through the small drill hole in the foot valve. The lubricant pressure opens the ball check in the piston. Lubricant flows through the piston into the cylinder above the piston. When the piston reaches the bottom of the down stroke, the cycle is repeated again.

FIGURE I - CUTAWAY OF "H" AND "SUPER H" LOW PRESSURE PUMP TUBE ASSEMBLIES