Operating Instructions & Parts Manual for Model R490-S

This pump is designed to fit 15, 30 & 55 gallon drums with 2" and 1-1/2" female threaded openings.
The pump is adjustable to pump 8, 10 or 12 oz per stroke. The pump is commonly used for pumping certain Alcohols, lubricants, detergents.

Specifications

Flow rate per stroke	8, 10, or 12 oz
Bung Adapter	2" & 1-1/2" NPT
Inlet	1"
Outlet	7/8"
Suction Tube (Length & Material)	36" PP
Packing Gland	Viton
Wetted Parts	Ryton,PP,PVDF,Steel
Viscosity	1000 cps
Max. Temp	140°F

General Safety Information

1. Always carefully read, thoroughly understand and follow the pump operating instructions. Use this pump correctly and with care for the purpose for which it is intended. Failure to do so may cause damage or personal injury, and will void the warranty. Please retain instructions for future reference.
2. Contact your chemical or fluid supplier to check for compatibility with pump prior to installation and operation.
3. Prior to use, always carefully and thoroughly read and understand the OSHA information contained in the MSDS sheet supplied for the chemical which is to be pumped.
4. Wear protective clothing (goggles, face mask, long sleeves, long pants, gloves, aprons, etc) as set forth in the OSHA Safety Data Sheet when pumping any hazardous chemicals.
5. When using flammable liquids, pump containers should be grounded to avoid static electricity.
6. Any pump used for transferring flammable liquids must be stored in a ventilated area after use.
7. Pump should be washed out before it is used since processing lubricants may contaminate the fluids.
8. Prior to use, inspect your pump thoroughly verifying its proper assembly.
9. If pump is removed from drum, it should be thoroughly rinsed in a liquid that is compatible with the pump.

Exploded parts view on reverse side

Installation

1. Check to see if all parts are present.
2. Attach part#17 (tube) to bottom of part#1 (pump body).
3. Attach part#18 (telescoping tube)
4. Insert part#7 (screws) into part#6 (handle lever) & part#8 (handle) then tighten of part#7 (nuts) to each screw.
5. Slip part#2 (coupling nut) threaded end first over part#3 (spout) and insert part#3 (spout) into part#1 (pump body) then tighten part#2 (coupling nut)

You may adjust the flow rate by moving part#7 into the different holes of part#8. The hole on part#8 that is farthest away from part#6 will pump at a rate of 12 oz per stroke. the center hole will pump at a rate of 10 oz per stroke and the 3rd hole will pump at a rate of 8 oz per stroke.

NOTE: Tighten only enough to prevent leakage.

Maintenance

Normal maintenance is not required. If pump leaks at the top replace packing nut.

Parts List

Part#	Description	Quantity
R490S-1	Pump Body	1
R490S-2	Coupling Nut	1
R490S-3	Spout	1
R490S-4	Piston Rod Nut	1
R490S-5	Piston Rod Seal	2
R490S-6	Handle Lever	1
R490S-7	Nut & Screw	3
R490S-8	Handle	1
R490S-9	Piston Rod	1
R490S-10	Valve Plate	2
R490S-11	Valve Base	1
R490S-12	Rod Plate	1
R490S-13	Valve Nut	2
R490S-14	Foot Valve Seal	1
R490S-15	Base Plate	1
R490S-16	Base	1
R490S-17	Tube	1
R490S-18	Upper Telescoping Tube	1
R490S-19	Telescoping Tube Seal	1
R490S-20	Bottom Telescoping Tube	1