PP + SS PISTON ROD Lever Drum Pump

KTLV02

Lever Action Drum Pump suitable for use with a fluids of varying viscosities

Construction:
Polypropylene body, handle and outlet spout

Stainless Steel rod, FKM & PP Seals

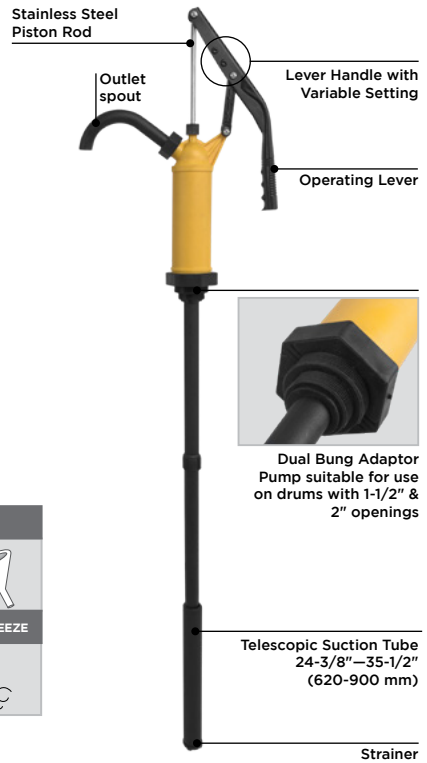
Strainer built into suction tube inlet to keep contaminants away

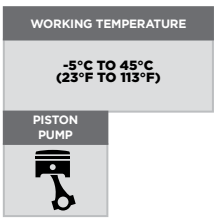
Complete with
a. Two piece telescopic suction tube for use with 15-55 gallon (50-205 litres) drums
b. Outlet spout

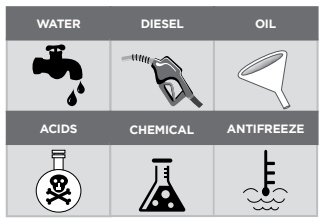
Wetted components
Polypropylene, FKM, Stainless steel

Recommended use
- Non-corrosive liquids
- Diesel
- Light oils
- Low viscosity lubricants
- Amyl
- Benzyl
- Butyl
- Antifreeze
- Benzene
- Alcohols
- Water based chemicals
- Alkaline solutions

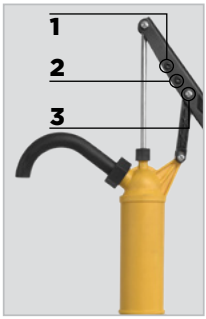
Do not use with
Lubricant or liquids above 100 cst or any media not compatible with materials used in the pump construction







VARIABLE HANDLE SETTING



FLOW SETTING	LOW FLOW 1	MEDIUM FLOW 2	HIGH FLOW 3
FLOW RATE*	Upto 270 ml (9 Oz.) /Stroke	Upto 350 ml (12 Oz.) /Stroke	Upto 430 ml (15 Oz.)/Stroke
TYPE OF FLUIDS	Lubricants or liquids under 35 cst	Antifreeze, Alcohols, Water, Water based chemicals, Low viscosity lubricants	Diesel, Petroleum-based non-corrosive liquids up to 100 cst

*** Measured at pump outlet. Tested using water**

CAT NR.	DESCRIPTION
KTLV02	Plastic lever pump with variable handle setting

SAFETY INFORMATION

- Follow workshop Health & Safety rules, regulations and conditions when using the pump.
- Maintain the pump in good condition and replace any damaged or worn parts.
- Use genuine parts only. Unauthorised parts may be dangerous and will void the warranty.
- Wear approved safety gloves and eye and ear protection.
- Keep the pump clean and in good working order for best and safest performance.
- DO NOT use the pump for a task it is not designed to perform.

WARNING!

- **DO NOT** use the pump if damaged or thought to be faulty. Contact your local service agent.

PACKAGE CONTENT

DESCRIPTION	QUANTITY
Pump body assembly	1
Lever handle assembly	1
Outlet spout	1
Fasteners	2
Upper Suction tube	1
Lower suction tube	1
O.I.P.M.	1

TOOLS NEEDED

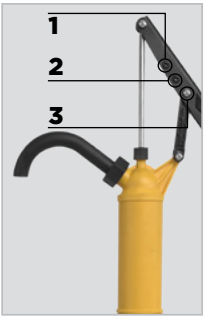
- 8 mm spanner / 5/16" spanner
- Phillips screwdriver

BEFORE INSTALLATION

- **Eyes protection:** Wear a protective mask or protective eyewear.
- **Skin protection:** Avoid repeated and prolonged contact of fluids with the skin by wearing impermeable protective gloves.
- Check that the equipment has not suffered any damage during transport or storage. Clean the inlet and outlet openings, removing any dust or residual packing material.
- Read the instructions carefully before using the pump and keep them for further reference.

INSTALLATION
(Refer "EXPLODED VIEW")

1. Open the coupling nut (2) provided at the outlet of the pump body (1) and use it to attach the outlet spout (3) to the pump body (1)
2. Connect the lever handle assembly to the pump body (1) by attaching the handle lever (7) to the pump body (1) and handle (9) to the piston rod (10) with the help of fasteners provided with the pump.
3. Lever handle settings can be varied depending on the flow rate or type of fluids to be pumped.



- **High flow rate Setting:** Assemble the handle lever (7) with hole #3 on the handle (9), this allows the pump to develop high flow rate upto 430 ml (15 oz.) per stroke. This position is advised while using Diesel, Kerosene & Petroleum-based non-corrosive liquids upto 100 cst.
- **Medium flow rate Setting:** Assemble the handle lever (7) with hole #2 on the handle (9), this allows the pump to develop medium rate upto 350 ml (12 oz.) per stroke. This position is advised while using anti-freeze, alcohols, water, water based chemicals & low viscosity lubricants.
- **Low flow rate Setting:** Assemble the handle lever (7) with hole #1 on the handle (9), this allows the pump to develop medium rate upto 270 ml (9 oz.) per stroke. This position is advised while using lubricants or liquids under 35 cst.

4. Screw the upper suction tube (18) into the built in bung adaptor (17). Tighten the connection securely to eliminate any air leaks.
5. Attach the lower part of the upper suction tube (18) to the threaded end of lower suction tube (17)
   Note: Apply thread sealant to the threads of the suction tube assembly. Do not use undue force when tightening.
6. Adjust the lower suction tube (19) according to the height of the drum.
7. Fix the pump onto the drum with the help of built in bung adaptor (17) provided on the pump body (1).
8. The pump is now ready to use.

OPERATING INSTRUCTIONS
(Refer "EXPLODED VIEW")

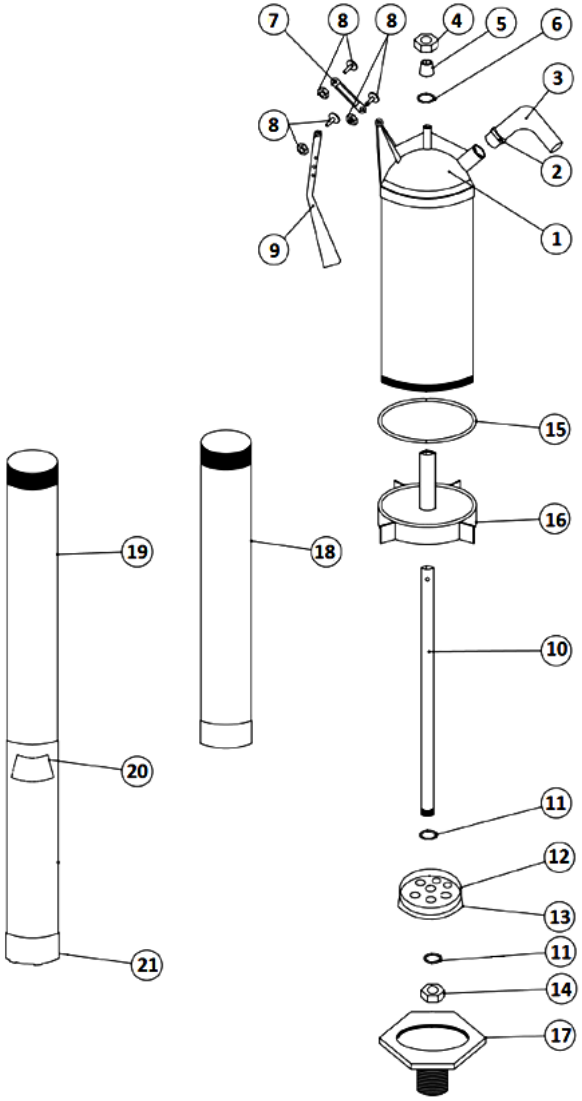
1. Start operating the pump by giving quick strokes to the handle (9).
2. The pump will start dispensing the fluid after 4-7 strokes

If the pump still fails to start: Remove the pump from the drum and ensure the suction tube is extended enough to reach the bottom of the drum

MAINTENANCE
(Refer "EXPLODED VIEW")

- This pump required little maintenance, however to maximize the useful life of the pump it is recommended to inspect and, if necessary, periodically clean the upper suction tube (18), lower suction tube (19) and strainer (21).

EXPLODED VIEW



PARTS LIST

REF NO.	PARTS DESCRIPTION	QUANTITY
1	Pump body	1
2	Coupling nut	1
3	Outlet spout	1
4	Piston rod nut	1
5	Washer	1
6	Piston rod seal	1
7	Handle lever	1
8	Fasteners	3
9	Handle	1
10	Piston rod	1

REF NO.	PARTS DESCRIPTION	QUANTITY
11	Valve plate	2
12	Valve base	1
13	Rod plate	1
14	Valve nut	1
15	Foot valve seal	1
16	Base plate	1
17	Bung adaptor	1
18	Upper suction tube	1
19	Lower suction tube	1
20	Suction tube seal	1
21	Strainer	1

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Leakage of media from the pump	Damaged seal due to use with media not suitable for use with pump	Replace seal with genuine replacement seal from manufacturer and use only recommended media with the pump.
Pump does not dispense fluid or does not prime	Pump is drawing in air, instead of fluid	Tighten all connections of suction tube & of the suction tube with pump inlet.
	Suction tube inlet is clogged	Remove suction tube & clean the tube inlet
Handle difficult or impossible to move	Piston rod nut is too tight	Loosen the Piston rod nut
If the pump still doesn't operate		Contact nearest authorized service dealer

DISPOSAL

The components or the used products must be given to companies that specialise in the disposal and recycling of industrial waste.