

# **STAINLESS STEEL LIFT PUMP**

## **Technical Data**

- Pump is constructed from BS 316 Stainless Steel with PTFE seals which are lightly lubricated with silicon grease which may require flushing should this not be compatible with the fluid to be pumped.
- Will fit many containers ranging from 15 -210 litres.
- Dispenses approx. 125ml per full stroke. 8 strokes = 1 litre.
- Adjustable gland nut.

## **Operating Instructions**

1. Remove the adjustable locking collar from the barrel of the pump and screw into the container, using the appropriate 2" BSP or Trisure thread closure adapters supplied with the pump. Should neither of the adapters suit your particular container, consult with your pump supplier for more information on different adapters available.
2. Slide the barrel of pump into the adjustable locking collar until it rests on the bottom of the container. Turn the pump until the spout is in the desired position and then lock the thumbscrew, taking care not to over tighten.
3. If the container has a capacity of over 25 litres or is deeper than 500mm, the extension tube may be required. To fit, screw the extension tube into bottom of pump using PTFE sealing tape on the thread. The extension tube can be cut to a suitable length for the pump operation but ensure that the cut has a slanted profile shape.
4. A couple of strokes will prime the pump with the fluid. The pump is now ready to operate.
5. The pump incorporates a 14 mm gland nut at the top of the pump around the piston rod. This nut can be adjusted to fine tune the operation of the pump depending on the viscosity of the fluid being pumped. Further adjustment may also be required as the gland seal ages and wears. Regular checks should be made on the condition of the gland seal. Replacement seal kits are readily available.

## **Analysing and Rectifying Problems**

### **Leaks from the seal around the piston rod**

Either the gland seal worn out due to age/use or the gland nut has been insufficiently tightened.

### **Pump tight to operate**

Gland seal over tightened or dirt/grime attached to the surface of piston rod causing sticking. Dirt and grime can be removed with a suitable degreaser. Keeping piston rod clean and free from damage will improve life and efficiency of seal. Damage to the piston rod or barrel will cause premature pump failure.

### **Pump fails to dispense**

Internal piston worn/blocked or the inlet valve ball is blocked. Clean and degrease. Spare seal kits are available. Contact pump supplier.

## **Fluid Compatibility**

- This pump is **not** compatible with Hydrochloric & Hydrofluoric acids.
- For other fluids the supplier's C.O.S.H.H. or Material Safety Data Sheet should be consulted for compatibility with BS316 stainless steel and PTFE seals.
- When operating this pump Personal Protective Equipment must be worn at all times in accordance with the fluid supplier's C.O.S.H.H. or Material Safety Data Sheet.