

# With Lutz through thick and thin



## High viscosity pumps

Viscous liquids often present a challenge in trying to transfer them. To share this task with you, we have a range of progressive cavity pumps which covers viscosities from 500 cps to 120.000 cps.

Our pumps have been designed along a modular concept that provides maximum flexibility with minimum fuss. Simplicity and ease of handling are inherent characteristics.

Choice of motors electric or pneumatic, shaft sealing method and stators provide the best for user-friendliness.

Flows from 4 to 30 gpm with pressures up to 90 psi make work easy of emptying drums and containers.

All pumps can be quickly disassembled and cleaned, an essential requirement for the food, beverage, cosmetic and pharmaceutical industries.

Running at relatively low speeds, shear sensitive liquids and liquids containing solids present no problem. Likewise sticky liquids such as molasses, glucose and honey.



# Lutz Progressive Cavity Pump B 70V-SR

Smooth pumping of highly viscous liquids

## B70V-SR (Portable, 32 lbs with motor)

### Applications

For applications in the food, pharmaceutical and cosmetics industry, no special shaft joint protection is needed.

### Pump Tubes

Pump tubes with different flow rates and length are available for the Lutz B70V-SR. The speed reducer is mounted directly on the pump tube. This reduces the relatively high speeds of the universal or compressed-air motors to a suitable speed for the pump tube of around 690 rpm. The pump tube, drive shaft and eccentric screw are made of Stainless Steel (316).

Do not run dry or against closed valve.

**Tube diameter:** 54 mm (2.12")

**Length:** 1000 mm (39.4") or 1100 mm (43.3")

### Drive Motors

A variety of electric and compressed air motors are available. (see page 5)

### Operating Data

Quantity: up to 13 GPM  
 Delivery head: up to 200 FT (87 PSI)  
 Temperature of medium: up to 284 °F  
 Viscosity: up to 50,000 cps (with MD-2 air motor)

### Accessories

Bypass valves, hoses, hose clips, dosing devices, electronic flow meters, batch dosing appliance with time control and other accessories are available on request.



1 1/2" male BSP or  
 1 1/4" SS hose barb

options:  
 1 1/2" NPTF adapter  
 or Tri Clamp

| Type                 | B70V-SR   |
|----------------------|---|
| <b>Wetted parts</b>  |   |
| Housing and Rotor:   | Stainless Steel (316)   |
| Seals:               | Viton® (FPM)  |
| Mechanical seal:     | Carbon/SS, Viton® or SiC/SiC , Viton®   |
| Packing gland:       | PTFE soft packing, safe for use with foodstuffs   |
| Drive shaft:         | Stainless Steel (316)   |
| Stator materials:    | NBR light, Viton®, PTFE   |
| Examples of liquids: | Chemical industry: acids, lyes, sludge, viscous pastes, dispersions, adhesives, etc.<br>Cosmetics industry: creams, soaps, toothpaste, shampoos and raw materials for soaps<br>Confectionery industry: honey, syrups and preserves<br>Paint and lacquer factories: paints, lacquers and pastes<br>Food industry: milk, whey, cheese, spread and ketchup<br>Mineral oil industry: high-viscosity oils and fluid greases. |