

Lutz Progressive Cavity Pump B 70V-SR

Smooth pumping of highly viscous liquids

B70V-SR

(Portable, 32 lbs with motor)

Operating Data

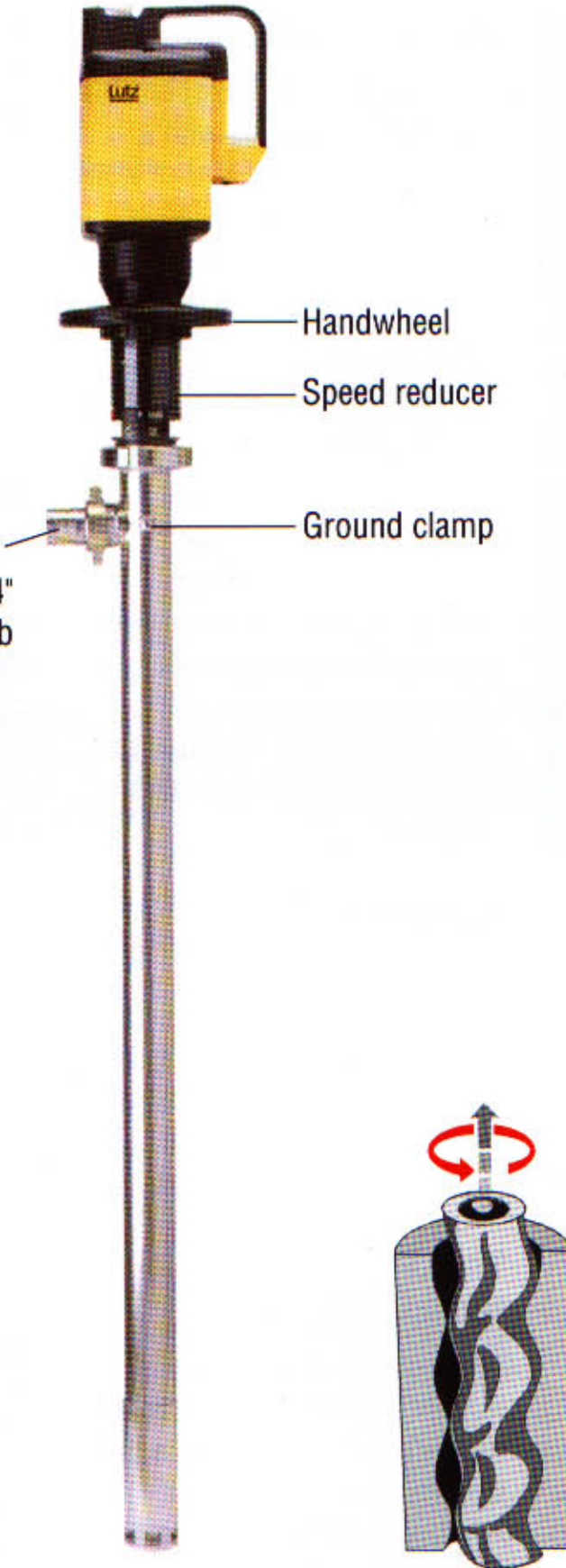
Quantity: up to 13 GPM
 Delivery head: up to 200 FT (87 PSI)
 Temperature of medium: up to 284 °F
 Viscosity: up to 40,000 cps

Features:

- Viscous fluids (will handle from 1 cps to 100,000 cps D or DA models)
- Abrasive fluids
- High solid content slurries
- Shear sensitive fluids
- Metering applications (1% repeatability)
- High pressure applications (up to 401 ft head – 174 psi)
- Particulates to 1/8"
- Fluids with entrained air (will not vapor lock)
- Corrosives (SS pump tube + wide variety of elastomers available)
- Non-lubricating fluids
- Temperatures to 284 °F
- Low NPSH applications
- Positive displacement applications
- Pulsation-free delivery
- Quiet operating
- User friendly – easy to dismantle & clean

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

option:
1 1/2" NPTF adapter



Pump Tubes

Pump tubes with different flow rates and immersion depths 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.

Immersion tube diameter:

54 mm (2.12")

Connection thread: 1 1/2"

hose connection: 1 1/4"

Immersion depth:

1000 mm (39.4") or

1100 mm (43.3")

Stators optionally in

NBR light, Viton or PTFE.

The stator insert is either vulcanized or clamped into a separate Stainless Steel sleeve at the end of the pump. The drive shaft is fixed and mounted in the speed reducer. The shaft is sealed by a single-acting mechanical seal or by a soft packing gland.

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

Accessories

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

Drive Motors

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

For more details request literature B70-V

Type	B70V-SR
Wetted parts	
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:	<p>Chemical industry: acids, lyes, sludge, viscous pastes, dispersions, adhesives, etc.</p> <p>Cosmetics industry: creams, soaps, toothpaste, shampoos and raw materials for soaps</p> <p>Confectionery industry: honey, syrups and preserves</p> <p>Paint and lacquer factories: paints, lacquers and pastes</p> <p>Food industry: milk, whey, cheese, spread, quark and ketchup</p> <p>Mineral oil industry: high-viscosity oils and fluid greases.</p>