




Lutz Eccentric Screw Pumps


B70V 25.2 and 50.1

Product detail			Pump tube						B70V		
	Size		25.2	25.2	25.2	50.1	50.1	50.1			
	Seal	Packing gland (St)	MS	MS	St	MS	MS	St			
		Mechanical seal (MS)									
	Drive shaft	Torsion shaft (TS)	TS	UJ	UJ	TS	UJ	UJ			
		Universal joint shaft (UJ)									
	Delivery rate*	up to l/min.	25	25	25	50	50	50			
	Delivery head*	up to bar	10	10	10	8	8	8			
	Temp. of medium**	up to °C	140	140	140	140	140	140			
	Material pump tube		1.4571	1.4571	1.4571	1.4571	1.4571	1.4571			
	Immersion tube diameter	mm	54	54	54	54	54	54			
	Pressure joint	Outer thread	G 1 1/2	G 1 1/2	G 1 1/2	G 1 1/2	G 1 1/2	G 1 1/2			
	Weight	kg	7	7	7	7	7	7			
	Length***	mm	1100	1100	1100	1100	1100	1100			
	Stator NBR light (T max. 80 °C)	Order No.	–	–	–	0172-501	0173-511	0173-501			
Stator Viton (T max. 140 °C)	Order No.	–	–	–	0172-502	0173-512	0173-502				
Stator PTFE (T max. 140 °C)	Order No.	0172-254	0173-264	0173-254	0172-504	0173-514	0173-504				

* Determined with water at 20 °C, three-phase motor (900 rpm) and elastomer stator
 ** with PTFE Stator (the medium temperature of explosion proof eccentric screw pumps B70 may not exceed 100°C)
 *** Special length 500 - 2000 mm on request (version with joint shaft only)

● Explosion proof eccentric screw pump B70V approved Category 1 / 2 (acc. to Atex 100a) for pumping inflammable liquids of the explosion group IIA and temperature class T4

Choice of motors			
	Motors with cable terminal box	For B70V - 25.2	For B70V - 50.1
	Type	0.75 kW, 700 1/min.,	1.1 kW, 900 1/min.,
	Protection class/Weight	IP 55 20 kg	IP 55 15 kg
	Order No.	0172-815	0172-818
	Motors with protection switch	For B70V - 25.2	For B70V - 50.1
	Type	0.75 kW, 700 1/min.	1.1 kW, 900 1/min.
	Protection class/Weight	IP 54 20,5 kg	IP 54 15,5 kg
	Order No.	0172-814	0172-817
	Motors, explosion proof	For B70V - 25.2	For B70V - 50.1
	Type	0.65 kW, 700 1/min.,	1.0 kW, 900 1/min.,
	Protection class/Weight	EEx e II T3 IP 54 20 kg	EEx e II T3 IP 54 15 kg
	Order No.	0172-813	0172-816

Three-phase motor 230/400 V, 50 Hz, protection class IP 55 with cable terminal box or IP 54 with attached protection switch as on-/off-switch. Special voltages, frequencies, protection classes as well as higher explosion proof protection classes on request.

	Compressed air motor	For B70V - 25.2 / 50.1
	Type	8 DA, 1.7 kW, 900 1/min., weight 14 kg operating pressure at 6 bar, air consumption 130 Nm³/h, 102 db (A) air supply thread G 1/2
	Order No.	0172-823

Compressed air motors with muffler up to an operation pressure at 7 bar, recommended speed (200 - 900 1/min).

B70V 25.2 and 50.1

for viscosities from 1 - 100.000 mPas

Materials (coming into contact with the pumped medium)

B70V 25.2/50.1

Housing:	Stainless steel (1.4571)
Rotor:	Stainless steel (1.4571)
Seals:	FPM (Viton®)
Mechanical seal:	Carbon/CrMo-casting, Viton®
Packing gland:	PTFE soft packing safe for use with foodstuffs
Drive shaft:	Stainless steel (1.4571)
Stator materials:	NBR light, Viton®, PTFE

Viton® is a registered trademark of DuPont Dow Elastomers.



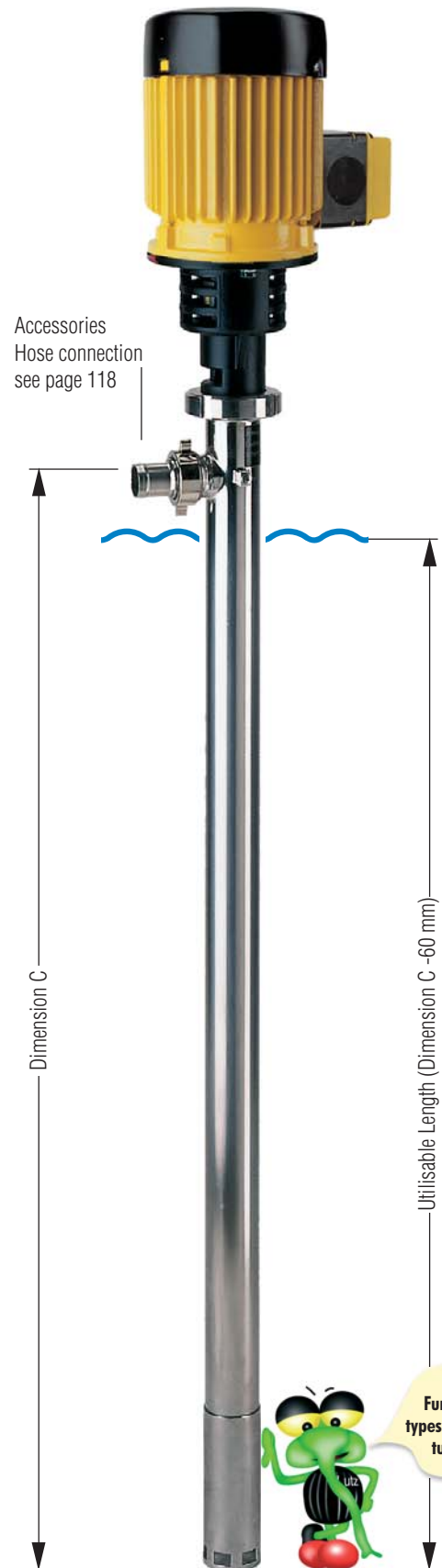
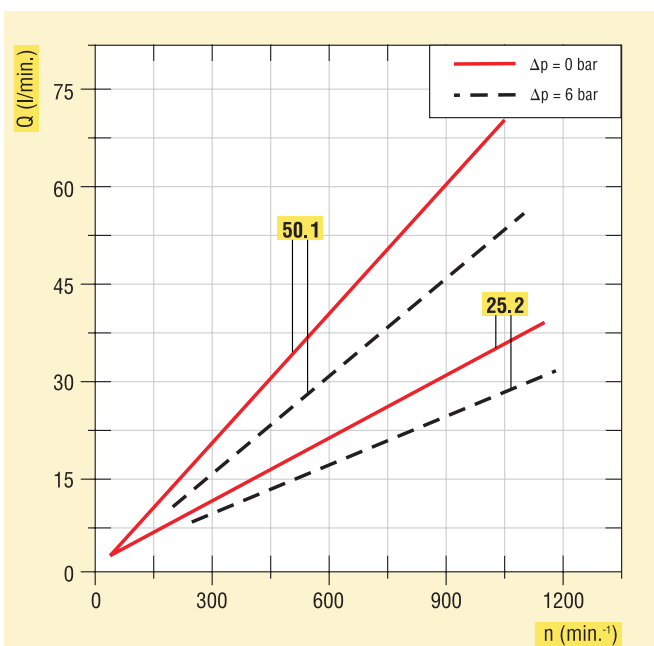
Pump tube with torsion shaft (TS) and stator NBR light in physiologically safe version (PU). The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry. Additional costs see price list.



Important Information!

When pumping in „Zone 0“ areas or pumping flammable liquids only pumps with mechanical seal, universal joint shaft and PTFE stator are approved.

Viscosity range from aqueous to fluidity range.
Medium table with liquid examples see chapter **06**, page 250.



Detail dimensions see chapter **06** pages 263-264



Suitable range of accessories
see pages 117-119