





Lutz Eccentric Screw Pumps

B70V-SR 50.1

Product detail		Pump tube			B70V-SR		
	Size		50.1	50.1	50.1	50.1	
	Seal	Packing gland (St) Mechanical seal (MS)	MS	MS	MS	St	
	Drive shaft	Torsion shaft (TS) Universal joint shaft (UJ)	TS	UJ	UJ	UJ	
	Delivery rate*	up to l/min.	50	50	50	50	
	Delivery head*	up to bar	8	8	8	8	
	Temp. of medium**	up to °C	140	140	140	140	
	Material pump tube		1.4571	1.4571	1.4571	1.4571	
	Immersion tube diameter	mm	54	54	54	54	
	Pressure joint	Outer thread	G 1 1/2	G 1 1/2	G 1 1/2	G 1 1/2	
	Weight	kg	7	7	7	7	
	Length***	mm	1100	1100	1100	1100	
	Stator NBR light (T max. 80 °C)	Order No.	0174-511	0174-521	0174-501	0174-501	
	Stator Viton (T max. 140 °C)	Order No.	0174-512	0174-522	0174-502	0174-502	
	Stator PTFE (T max. 140 °C)	Order No.	0174-514	0174-524	0174-504	0174-504	
<p>* Determined with water at 20 °C, three-phase motor (900 rpm) and elastomer stator ** with PTFE 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) **** Mechanical seal: carbon/CrMo-casting, Viton® and SIC/SIC</p> <p>● 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</p>							
							
Choice of motors							
	Universal motors non-ex. proof	MI 4	MI 4-E	MA II 3	MA II 5	MA II 7	
	Type	500 W, 230 V	500 W, 230 V	460 W, 230 V	575 W, 230 V	795 W, 230 V	
	Protection class/Weight	IP 44 2.8 kg	IP 44 2.8 kg with speed contr.	IP 54 4.6 kg	IP 54 5.4 kg	IP 54 6.6 kg	
	Order No. (without low-voltage release)	0030-000	0030-001	0060-000	0060-001	0060-002	
	Order No. (with low-voltage release)	-	-	0060-008	0060-009	0060-010	
	Universal motors explosion proof	ME II 3	ME II 5	ME II 7	ME II 8		
	Type	460 W, 230 V	580 W, 230 V	795 W, 230 V	930 W, 230 V		
	Protection class/Weight	IP 54 5.5 kg	IP 54 6.3 kg	IP 54 7.5 kg	IP 54 8 kg		
	Order No. (with low-voltage release)	0050-000	0050-001	0050-002	0050-042		
	Order No. (without voltage release)	0050-016	0050-017	0050-018	0050-041		
	Compressed air motors	MD-1	MD-2	MD-3			
	Type	400 W	400 W	400 W			
	Operating pressure	6 bar	6 bar	6 bar			
	Weight	1.1 kg	1.5 kg	2.1 kg			
	Order No.	0004-087	0004-088	0004-090			

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for viscosities from 1 - 20.000 mPas

Materials (coming into contact with the pumped medium)

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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 material:	NBR light, Viton®, PTFE

Viton® is a registered trademark of DuPont Dow Elastomers.



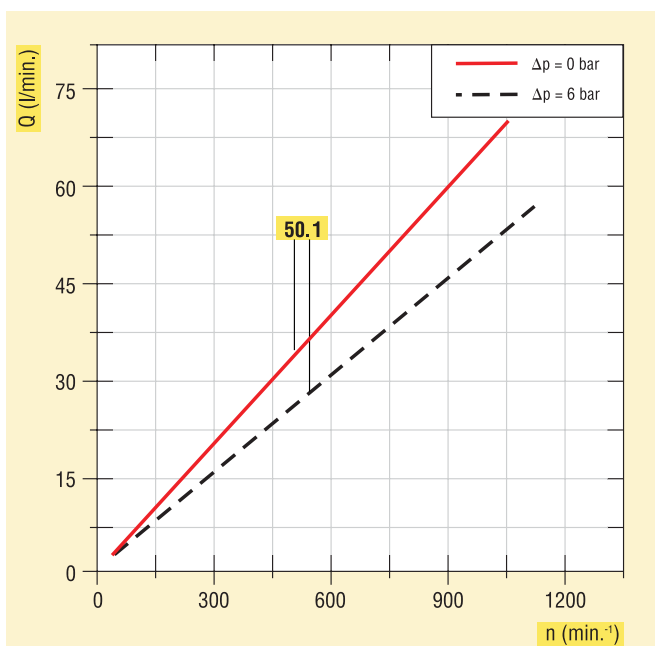
Pump tube with torsion shaft (TS) and stator NBR light in physiologically safe version (PU). The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.
Additional costs see price list.



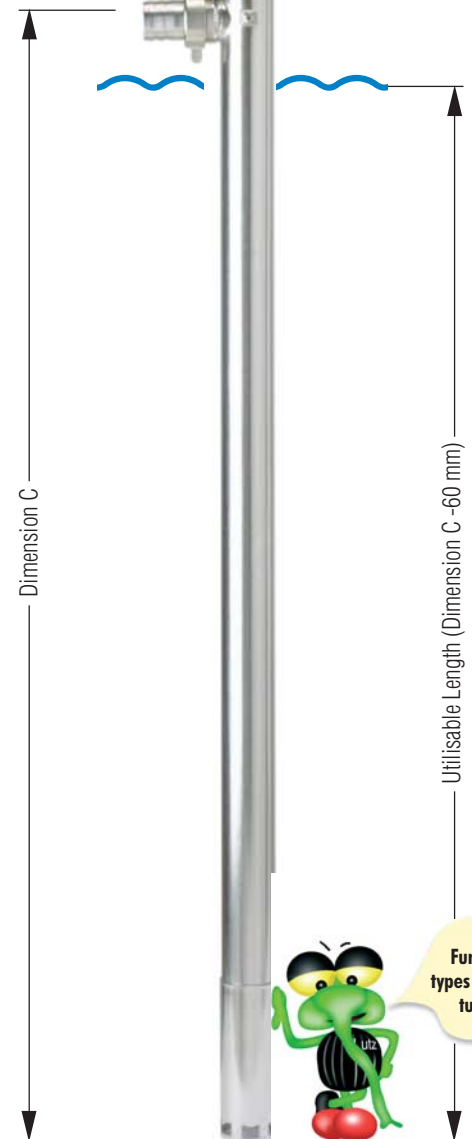
Important Information!

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.



Accessories
Hose connection
see page 118



Further types simply turn!

Detail dimensions see chapter 06 page 264



Suitable range of accessories
see pages 117-119