

Lutz Eccentric Screw Pumps

B70V-SR 12.1 and 25.1

Product detail		Pump tube						B70V-SR		
	Size		12.1	12.1	12.1	25.1	25.1	25.1	25.1	25.1
	Seal	Packing gland (St)	MS	MS	St	MS	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.	12	12	12	25	25	25		
	Delivery head*	up to bar	6	6	6	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	1000	1000	1000	1000	1000	1000		
	Stator NBR light (T max. 80 °C)	Order No.	–	–	–	0174-131	0174-141	0174-121		
Stator Viton (T max. 140 °C)	Order No.	–	–	–	0174-132	0174-142	0174-122			
Stator PTFE (T max. 140 °C)	Order No.	0174-014	0174-024	0174-004	0174-134	0174-144	0174-124			
<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)</p> <p>Combination of packing gland and torsion shaft on request.</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>										
<p>●  </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 24 2.8 kg	IP 24 2.8 kg	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 low-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						

B70V-SR 12.1 and 25.1

for viscosities from 1 - 30.000 mPas

Materials (coming into contact with the pumped medium)

B70V-SR 12.1/25.1

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 material:	NBR light, Viton®, PTFE

Viton® is a registered trademark of DuPont Dow Elastomers.



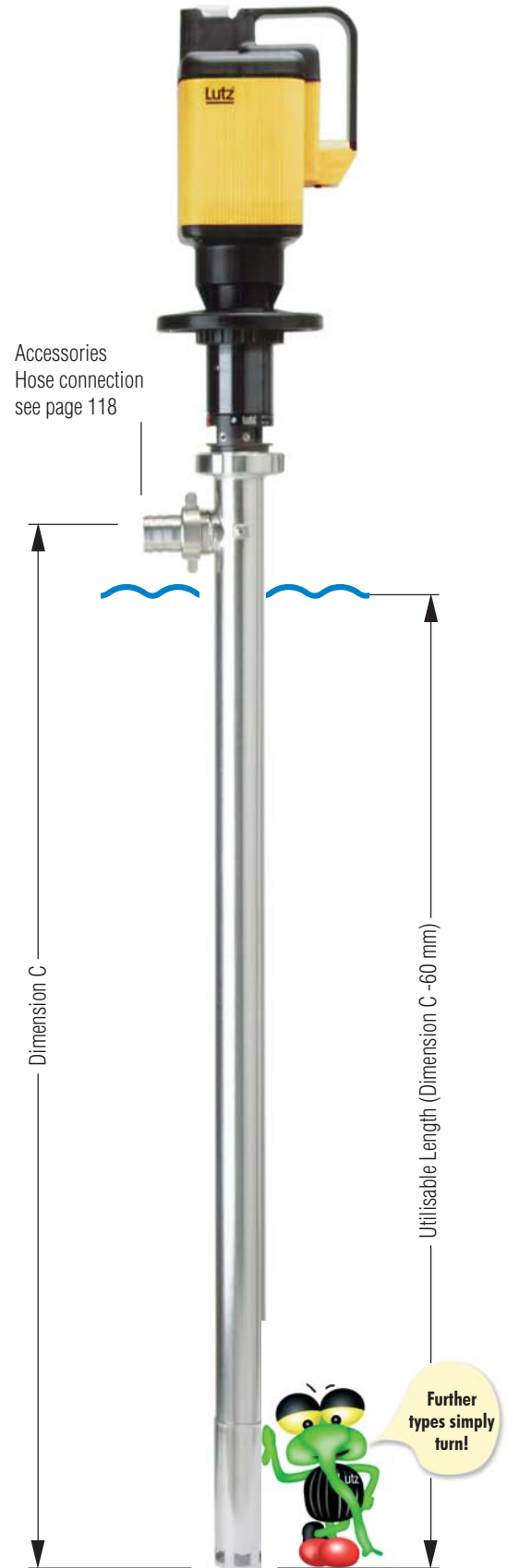
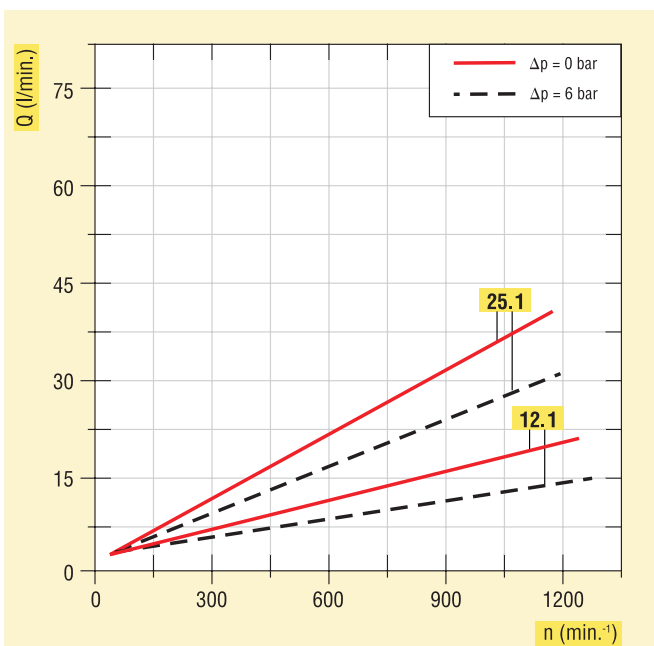
Pump tube with torsion shaft (TS) and stator NBR light in physiologically safe version (PU). The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.
Additional costs see price list.



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.



Detail dimensions see chapter **06** page 264



Suitable range of accessories
see pages 117-119