



Lutz Eccentric Screw Pumps

B70V-SR and B70V HD-SR 50.1

Product detail		Pump tube			B70V-SR		
	Size		50.1	50.1	50.1		
	Seal	Packing gland (St)		MS	MS	St	
		Mechanical seal (MS)					
	Drive shaft	Torsion shaft (TS)		TS	UJ	UJ	
		Universal joint shaft (UJ)					
	Delivery rate*	up to l/min.		50	50	50	
	Delivery head*	up to bar		8	8	8	
	Temp. of medium**	up to °C		140	140	140	
	Material outer tube			1.4571/1.4404	1.4571/1.4404	1.4571/1.4404	
	Immersion tube diameter	mm		54	54	54	
	Pressure joint	Outer thread		G 1 1/2	G 1 1/2	G 1 1/2	
	Weight	kg		7	7	7	
	Length***	mm		1100	1100	1100	
	Stator NBR light (T max. 80 °C)	Order-No.		0174-511	0174-521	0174-501	
	Stator FPM (T max. 140 °C)	Order-No.		0174-512	0174-522	0174-502	
Stator PTFE (T max. 140 °C)	Order-No.		0174-514	0174-524	0174-504		
B70V HD-SR Stator PTFE (T max. 100 °C)	Order-No.			0174-526			
<p>* 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)</p> <p style="text-align: right;">Combination of packing gland and torsion shaft on request</p>							
<p>● Explosion proof eccentric screw pump approved category 1 / 2 (acc. to ATEX) for pumping inflammable liquids of the explosion group IIA (B70V-SR) or IIB (B70V HD-SR) 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 type/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	
	Speed controller	no	yes				
	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 type/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	MD1xL	MD2xL				
	Type	1000 W	1000 W				
	Operating pressure	6 bar	6 bar				
	Weight	1.0 kg	1.4 kg				
	Order-No.	0004-725	0004-735				

Different voltages and frequencies on request.
 For sticky and hardening liquids please contact our Lutz head office to select the suitable pump.

B70V-SR and B70V HD-SR 50.1

for viscosities from 1 - 100,000 mPas (Compressed air motors)
1 - 20,000 mPas (Universal motors)

Materials (coming into contact with the pumped medium):

Version:	B70V-SR 50.1	B70V HD-SR 50.1
Housing:	Stainless steel (1.4571/1.4404)	Stainless steel (1.4571/1.4404)
Rotor:	Stainless steel (1.4571)	Stainless steel (1.4571)
Seals:	FPM	FPM
Mechanical seal:	Carbon/CrMo-casting, FPM	WC/WC/FPM
Packing gland:	PTFE Soft packing safe for use with foodstuffs	-
Drive shaft:	Stainless steel (1.4571)	Stainless steel (1.4571)
Stator material:	NBR light, FPM, PTFE	PTFE



Pump tube with PTFE stator, also available in PURE version with Tri-Clamp-connection. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry.

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 chemical resistance table.

