





Lutz Eccentric Screw Pumps

B70V-SR and B70V HD-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			
	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.	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 outer tube		1.4571/1.4404	1.4571/1.4404	1.4571/1.4404	1.4571/1.4404	1.4571/1.4404	1.4571/1.4404			
	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 FPM (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				
B70V HD-SR Stator PTFE (T max. 100 °C)	Order-No.		0174-026			0174-146					
<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 12.1 and 25.1

for viscosities from 1 - 100,000 mPas (Compressed air motors)
1 - 30,000 mPas (Universal motors)

Materials (coming into contact with the pumped medium):

Version:	B70V-SR 12.1/25.1	B70V HD-SR 12.1/25.1
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.

