



Lutz Eccentric Screw Pumps

B70V 50.1 and 75.1 PURE for viscous foodstuffs

Product detail		Pump tubes		B70V PURE		
	Size		50.1	50.1	75.1	
	Category 1 / 2 (acc. to ATEX)		no	yes	no	
	Seal	Packing gland (St)		MS	MS	MS
		Mechanical seal (MS)				
	Drive shaft	Torsion shaft (TS)		TS	UJ	UJ
		Universal joint shaft (UJ)				
	Delivery rate*	up to l/min.		50	50	75
	Delivery head*	up to bar		6	6	6
	Temp. of medium**	up to °C		140	140	140
	Material pump tube			1.4571/1.4404	1.4571/1.4404	1.4571/1.4404
	Material stator			PTFE	PTFE	PTFE
	Immersion tube diameter	mm		54	54	54
	Pressure joint	Tri-Clamp DN		50	50	50
	Weight	kg		7	7	7
	Length***	mm		1100	1100	1100
Order No. basic pump ▲			0172-504	0173-514	0173-564	
Order No. additional price PURE FPM ▲			0172-128	0173-138	0173-140	
Order No. additional price PURE EPDM ▲			0172-129	0173-139	0173-141	
<p>▲ Please choose Order No. basic pump + Order No. PURE additional price</p> <p>* Determined with water at 20 °C, three-phase motor (900 rpm) and elastomer stator</p> <p>** with PTFE Stator (the medium temperature of explosion proof eccentric screw pumps B70 may not exceed 100°C)</p> <p>*** Special length 500 - 2000 mm on request (version with joint shaft only)</p> <p>● Explosion proof eccentric screw pump approved category 1 / 2 (acc. to ATEX) for pumping flammable liquids of the explosion group IIA and temperature class T4</p>						
						
Motor selection						
Motors with cable terminal box						
Version		1.1 kW, 700 1/min.	1.1 kW, 900 1/min.	1.5 kW, 700 1/min.		
Protection type/weight		IP 55 20 kg	IP 55 31 kg	IP 55 38 kg		
Order No.		0172+826	0172-903	0172-761		
Motors with protection switch						
Version		1.1 kW, 700 1/min.	1.1 kW, 900 1/min.	1.5 kW, 700 1/min.		
Protection type/weight		IP 55 22 kg	IP 55 32 kg	IP 55 39 kg		
Order No.		0172+825	0172-902	0172-760		
Motor, explosion-proof						
Version		0.95 kW, 900 1/min.				
Marking		II 2 G Ex e II T3				
Protection type/weight		IP 55 25 kg				
Order No.		0172-816				
Motor with frequency converter						
Version		1.5 kW, 0-900 1/min.				
Protection type/weight		IP 55 35 kg				
Order No.		0172-766				
<p>Three-phase motor 230/400 V, 50 Hz, Energy efficiency class IE 3 in accordance with EU regulations 640/2009 and 04/2014.</p> <p>Special voltages, frequencies, protection types as well as higher explosion proof protection classes on request.</p>						

B70V 50.1 and 75.1 PURE

for viscosities from 1 - 100,000 mPas

Materials (coming into contact with the pumped medium):

Version:	B70V PURE PTFE/FPM	B70V PURE PTFE/EPDM
Housing:	Stainless steel (1.4571/1.4404)	Stainless steel (1.4571/1.4404)
Rotor:	Stainless steel (1.4571)	Stainless steel (1.4571)
Seals:	FPM	EPDM
Mechanical seal:		
Torsion shaft	WC/SiC/FPM	WC/SiC/EPDM
Universal joint shaft	WC/WC/FPM	WC/WC/EPDM
Drive shaft:	Stainless steel (1.4571)	Stainless steel (1.4571)
Stator material:	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.

