



Lutz Eccentric Screw Pumps

B70V 12.1 and 25.1 PURE for viscous foodstuffs

Product detail		Pump tubes				B70V PURE				
	Size		12.1	12.1	25.1	25.1				
	Category 1 / 2 (acc. to ATEX)		no	yes	no	yes				
	Seal	Mechanical seal (MS)	MS	MS	MS	MS				
	Drive shaft	Torsion shaft (TS) Universal joint shaft (UJ)	TS	UJ	TS	UJ				
	Delivery rate*	up to l/min.	12	12	25	25				
	Delivery head*	up to bar	6	6	6	6				
	Temp. of medium**	up to °C	140	140	140	140				
	Material pump tube		1.4571/1.4404	1.4571/1.4404	1.4571/1.4404	1.4571/1.4404				
	Material stator		PTFE	PTFE	PTFE	PTFE				
	Immersion tube diameter	mm	54	54	54	54				
	Pressure joint	Tri-Clamp DN	50	50	50	50				
	Weight	kg	7	7	7	7				
	Length***	mm	1000	1000	1000	1000				
	Order No. basic pump ▲		0172-004	0173-014	0172-124	0173-134				
Order No. additional price PURE FPM ▲		0172-128	0173-138	0172-128	0173-138					
Order No. additional price PURE EPDM ▲		0172-129	0173-139	0172-129	0173-139					
▲ Please choose Order No. basic pump + Order No. PURE additional price										
* 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)										
● 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										
										
Motor selection										
Motors with cable terminal box										
Version	0.75 kW, 900 1/min.			1.1 kW, 700 1/min.			1.1 kW, 900 1/min.			
Protection type/weight	IP 55 16 kg			IP 55 20 kg			IP 55 31 kg			
Order No.	0172-901			0172+826			0172-903			
Motors with protection switch										
Version	0.75 kW, 900 1/min.			1.1 kW, 700 1/min.			1.1 kW, 900 1/min.			
Protection type/weight	IP 55 22 kg			IP 55 22 kg			IP 55 32 kg			
Order No.	0172-900			0172+825			0172-902			
Motors, explosion proof										
Version	0.55 kW, 900 1/min.			0.95 kW, 900 1/min.						
Marking	II 2 G Ex e II T3			II 2 G Ex e II T3						
Protection type/weight	IP 55 17 kg			IP 55 25 kg						
Order No.	0172-804			0172-816						
Motor with frequency converter										
Version	0.75 kW, 0-900 1/min.			1.5 kW, 0-900 1/min.						
Protection type/weight	IP 55 30 kg			IP 55 35 kg						
Order No.	0172-768			0172-766						



Three-phase motor 230/400 V, 50 Hz, Energy efficiency class IE 3 in accordance with EU regulations 640/2009 and 04/2014. Special voltages, frequencies, protection types as well as higher explosion proof protection classes on request.

B70V 12.1 and 25.1 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.

