





Lutz Eccentric Screw Pumps

B70V-SR 12.1, 25.1 and 50.1 PURE for viscous foodstuffs

Product detail		Pump tubes		B70V-SR PURE					
	Size		12.1	12.1	25.1	25.1	50.1	50.1	
	Category 1 / 2 (acc. to ATEX)		no	yes	no	yes	no	yes	
	Seal	Packing gland (St)		MS	MS	MS	MS	MS	MS
		Mechanical seal (MS)							
	Drive shaft	Torsion shaft (TS)		TS	UJ	TS	UJ	TS	UJ
		Universal joint shaft (UJ)							
	Delivery rate*	up to l/min.		12	12	25	25	50	50
	Delivery head*	up to bar		6	6	6	6	6	6
	Temp. of medium**	up to °C		140	140	140	140	140	140
	Material pump 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
	Material stator			PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
	Immersion tube diameter	mm		54	54	54	54	54	54
	Pressure joint	Tri-Clamp DN		50	50	50	50	50	50
	Weight	kg		7	7	7	7	7	7
	Length***	mm		1000	1000	1000	1000	1100	1100
Order No. basic pump ▲			0174-014	0174-024	0174-134	0174-144	0174-514	0174-524	
Order No. additional price PURE FPM ▲			0172-128	0173-138	0172-128	0173-138	0172-128	0173-138	
Order No. additional price PURE EPDM ▲			0172-129	0173-139	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									
									
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 without speed controller	IP 24 2.8 kg with speed controller	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 ex. 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				

B70V-SR 12.1, 25.1 and 50.1 PURE

for viscosities from 1 - 30,000 mPas

Materials (coming into contact with the pumped medium):

Version:	B70V-SR PURE PTFE/FPM	B70V-SR 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.

