


Lutz Drum and Container Pumps

Eccentric screw pump B70V-SR 12.1 and 25.1

Productdetail		Pump tube B70V-SR						
	Size		12.1	12.1	12.1	25.1	25.1	25.1
	Seal	Packing gland (St) Mechanical seal (MS)	MS	MS	St	MS	MS	St
	Drive shaft	Torsion shaft (TS) Universal joint shaft (UJ)	TS	UJ	UJ	TS	UJ	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 Pump tube		1.4571	1.4571	1.4571	1.4571	1.4571	1.4571
	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 Viton (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

* Determined with water at 20 °C, three-phase motor (900 rpm) and elastomer stator

Combination of packing gland and torsion shaft on request.

** with PTFE Stator

*** Special length 500 - 2000 mm on request (version with joint shaft only)

- Explosion proof eccentric screw pump B70V approved category 1 / 2 (acc. to ATEX 100a) for pumping inflammable 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 class/Weight	IP 44 2.8 kg	IP 44 2.8 kg with speed contr.	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 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 class/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	MD-1	MD-2	MD-3
Type	400 W	400 W	400 W
Weight	Operating pressure: 6 bar 1.1 kg	Operating pressure: 6 bar 1.5 kg	Operating pressure: 6 bar 2.1 kg
Order No.	0004-087	0004-088	0004-090

Lutz Eccentric Screw Pump B70V-SR 12.1 and 25.1

for viscosities from 1 - 30.000 mPas

Materials (coming into contact with the pumped medium)

B70V-SR 12.1/25.1

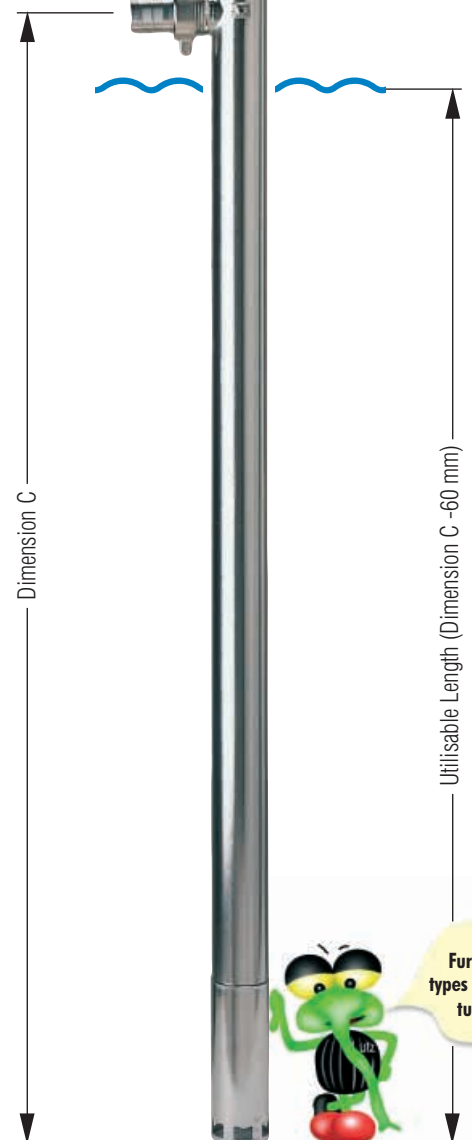
Housing:	Stainless steel (1.4571)
Rotor:	Stainless steel (1.4571)
Seals:	FPM (Viton®)
Mechanical seal:	carbon/CrMo-casting, Viton®
Packing gland:	PTFE soft packing safe for use with foodstuffs
Drive shaft:	Stainless steel (1.4571)
Stator Material:	NBR light, Viton®, PTFE

Viton® is a registered trademark of DuPont Dow Elastomers.

NEW: Pump tube with torsion shaft (TS) and stator in NBR light, also available in physiologically safe version (PU). Special application in the food-, cosmetics- and pharmaceutical industry.



Accessories
Hose connection
see chapter **02/8**
page 22



Detail dimensions see chapter **06** page 31



Suitable range of accessories
see chapter **02/8**

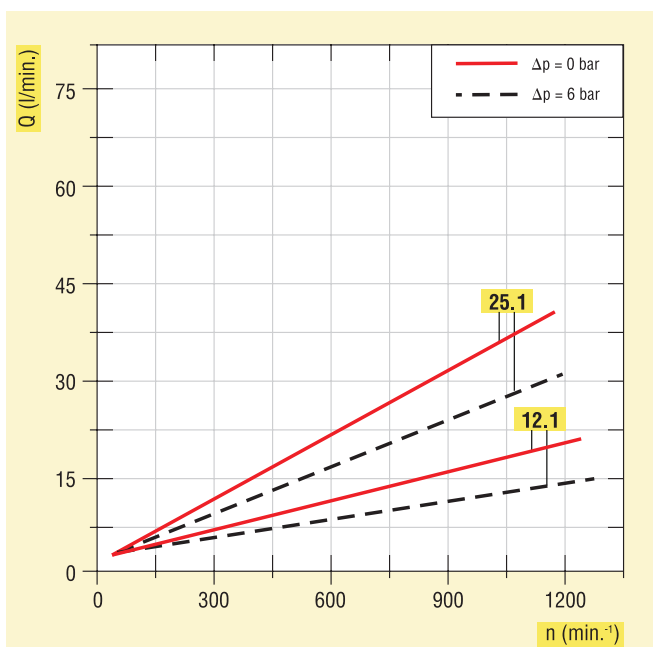


Important Information!

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 chapter **06**, page 20.



Further types simply turn!

Lutz Drum and Container Pumps

Eccentric screw pump B70V-SR 50.1

Productdetail		Pump tube			B70V-SR		
	Size		50.1	50.1	50.1	50.1	
	Seal	Packing gland (St) Mechanical seal (MS)	MS	MS	MS	St	
	Drive shaft	Torsion shaft (TS) Universal joint shaft (UJ)	TS	UJ	UJ	UJ	
	Delivery rate*	up to l/min.	50	50	50	50	
	Delivery head*	up to bar	8	8	8	8	
	Temp. of medium**	up to °C	140	140	140	140	
	Material pump tube		1.4571	1.4571	1.4571	1.4571	
	Immersion tube diameter	mm	54	54	54	54	
	Pressure joint	Outer thread	G 1 1/2	G 1 1/2	G 1 1/2	G 1 1/2	
	Weight	kg	7	7	7	7	
	Length***	mm	1100	1100	1100	1100	
	Stator NBR light (T max. 80 °C)	Order No.	0174-511	0174-521	0174-501	0174-501	
	Stator Viton (T max. 140 °C)	Order No.	0174-512	0174-522	0174-502	0174-502	
	Stator PTFE (T max. 140 °C)	Order No.	0174-514	0174-524	0174-504	0174-504	

* Determined with water at 20 °C, three-phase motor (900 rpm) and elastomer stator

Combination of packing gland and torsion shaft on request.

** with PTFE Stator


*** Special length 500 - 2000 mm on request (version with joint shaft only)


**** Mechanical seal: carbon/CrMo-casting, Viton® and SIC/SIC


● Explosion proof eccentric screw pump B70V approved category 1 / 2 (acc. to ATEX 100a) for pumping inflammable 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 class/Weight	IP 44 2.8 kg	IP 44 2.8 kg	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	
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Order No. (with low-voltage release)	0050-000	0050-001	0050-002	0050-042	
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	Compressed air motors	MD-1	MD-2	MD-3
	Type	400 W	400 W	400 W
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Lutz Eccentric Screw Pump B70V-SR 50.1

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Materials (coming into contact with the pumped medium)

B70V-SR 50.1

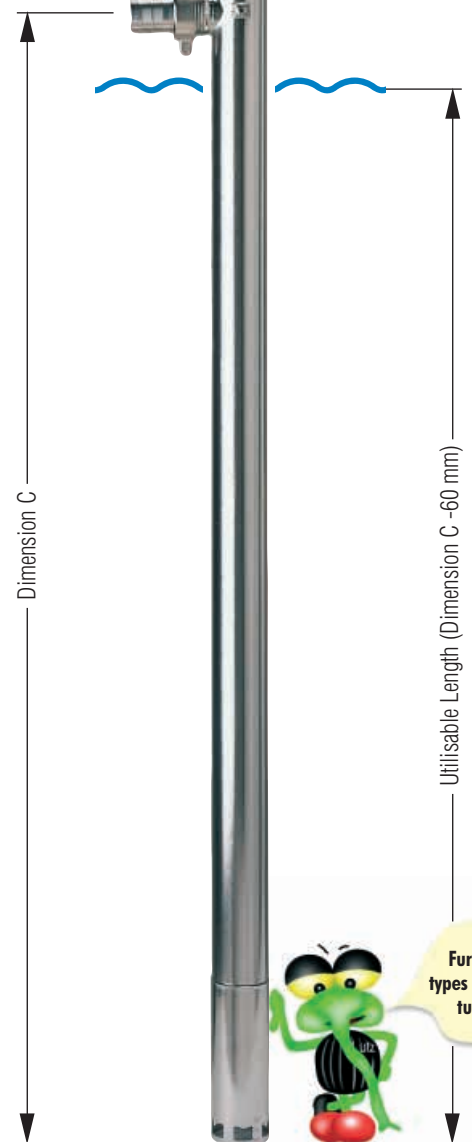
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Seals:	FPM (Viton®)
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Packing gland:	PTFE soft packing safe for use with foodstuffs
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StatorMaterial:	NBR light, Viton®, PTFE

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