

# Lutz Eccentric Screw Pumps

## B70V-H-SR Sanitary 12.1, 25.1 and 50.1

### Product detail



Pump tube		B70V-H-SR Sanitary		
Size		<b>12.1</b>	<b>25.1</b>	<b>50.1</b>
Seal	Mechanical seal (MS)	MS	MS	MS
Delivery rate*	up to l/min.	12	25	50
Delivery head*	up to bar	6	6	6
Temp. of medium	max. °C	140	140	140
Material pump tube		1.4404	1.4404	1.4404
Immersion tube diameter	mm	54	54	54
Pressure joint	Tri-Clamp**	DN 50	DN 50	DN 50
Weight	kg	7	7	7
Length***	mm	1100	1100	1100
Stator PTFE (Tmax. 140 °C)	Order No.	<b>0174-017</b>	<b>0174-137</b>	<b>0174-517</b>

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

\*\* DIN 32676

\*\*\* Special length on request

### 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 24 2.8 kg	IP 24 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)	<b>0030-000</b>	<b>0030-001</b>	<b>0060-000</b>	<b>0060-001</b>	<b>0060-002</b>
Order No. (with low-voltage release)	—	—	<b>0060-008</b>	<b>0060-009</b>	<b>0060-010</b>

### Accessories

	Order No.
Hose connection	DN 38 to Tri-Clamp DN 50 <b>0172-746</b>
Adapterfitting Tri-Clamp DN 50	to thread DIN 11851 Rd 78 x 1/6 (DIN 405) <b>0172-747</b>
Fastener bracket Tri-Clamp	DN 50 (DIN 32676) 1.4401 with seal EPDM <b>0172-745</b>
Discharge spout Tri-Clamp DN 50	<b>0172-748</b>
Pump foot	for drum inliner <b>0172-771</b>

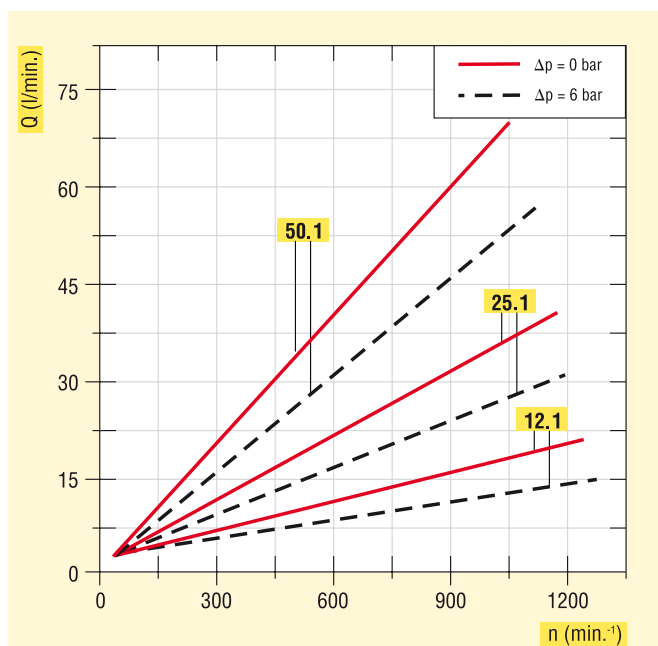
# B70V-H-SR Sanitary 12.1, 25.1 and 50.1

## Materials

(coming into contact with the pumped medium):


### B70V-H-SR Sanitary 12.1/25.1/50.1

Housing:	Stainless steel (1.4404)
Rotor:	Stainless steel (1.4571)
Seals:	EPDM
Mechanical seal:	Carbon/SiC/EPDM (optional SiC/SiC/EPDM)
Drive shaft:	Stainless steel (1.4571)
Stator material:	PTFE



# Lutz Eccentric Screw Pumps

## B70V-H-D Sanitary 12.1, 25.1, 25.2 and 50.1

Product detail		Pump tube				B70V-H-D Sanitary				
	Size		<b>12.1</b>	<b>25.1</b>	<b>25.2</b>	<b>50.1</b>				
	Seal	Mechanical seal (MS)	MS	MS	MS	MS				
	Delivery rate*	up to l/min.	12	25	25	50				
	Delivery head*	up to bar	6	6	10	6				
	Temp. of medium	max. °C	140	140	140	140				
	Material pump tube		1.4404	1.4404	1.4404	1.4404				
	Immersion tube diameter	mm	54	54	54	54				
	Pressure joint	Tri-Clamp**	DN 50	DN 50	DN 50	DN 50				
	Weight	kg	7	7	7	7				
	Length***	mm	1100	1100	1100	1100				
	Stator PTFE (Tmax. 140 °C)	Order No.		<b>0172-007</b>	<b>0172-127</b>	<b>0172-257</b>	<b>0172-507</b>			

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

\*\* DIN 32676

\*\*\* Special length on request

### Choice of motors



Motors with protection switch	For B70V - 12.1		For B70V - 25.1	
Type	0.55 kW. 700 1/min.	0.55 kW. 900 1/min.	0.55 kW. 700 1/min.	0.75 kW. 900 1/min.
Protection class/Weight	IP 54 15.5 kg	IP 54 11 kg	IP 54 15.5 kg	IP 54 17 kg
Order No.	<b>0172-750</b>	<b>0172-752</b>	<b>0172-750</b>	<b>0172-753</b>

Motors with frequency converter	For B70V - 12.1		For B70V - 25.1	
Type	0.55 kW. 0-900 1/min.		0.55 kW. 0-900 1/min. 0.75 kW. 0-900 1/min.	
Protection class/Weight	IP 54 13.5 kg		IP 54 13.5 kg IP 54 15 kg	
Order No.	<b>0172-755</b>		<b>0172-755 0172-756</b>	

Motors with protection switch	For B70V - 25.2	For B70V - 50.1
Type	0.75 kW. 700 1/min.	1.1 kW. 900 1/min.
Protection class/Weight	IP 54 17 kg	IP 54 19 kg
Order No.	<b>0172-751</b>	<b>0172-754</b>

Motore mit frequency converter	For B70V - 25.2	For B70V - 50.1
Type	0.75 kW. 0-900 1/min.	1.1 kW. 0-900 1/min.
Protection class/Weight	IP 54 15 kg	IP 54 20 kg
Order No.	<b>0172-756</b>	<b>0172-757</b>

Three-phase motor 230/400 V, 50 Hz, protection class IP 54 with attached protection switch as on-/off-switch, or with attached frequency converter 400 V, 50 Hz, 0-900 1/min., coated acc. to RAL 9001, Efficiency level IE 2 ( $\geq 0,75$  kW) according to directive 2005/32/EC. Special voltages, frequencies, protection classes on request.

Accessories	Order No.
Hose connection	DN 38 to Tri-Clamp DN 50 <b>0172-746</b>
Adapterfitting Tri-Clamp DN 50	to thread DIN 11851 Rd 78 x 1/6 (DIN 405) <b>0172-747</b>
Fastener bracket Tri-Clamp	DN 50 (DIN 32676) 1.4401 with seal EPDM <b>0172-745</b>
Discharge spout Tri-Clamp DN 50	<b>0172-748</b>
Pump foot	for drum inliner <b>0172-771</b>

# B70V-H-D Sanitary 12.1, 25.1, 25.2 and 50.1

## Materials

(coming into contact with the pumped medium):

### B70V-H-D Sanitary 12.1/25.1/25.2/50.1

Housing:	Stainless steel (1.4404)
Rotor:	Stainless steel (1.4571)
Seals:	EPDM
Mechanical seal:	Carbon/SiC/EPDM (optional SiC/SiC/EPDM)
Drive shaft:	Stainless steel (1.4571)
Stator material:	PTFE



Equipped with mounting strap and motor quick coupling as standard.

