

B70V-H-D Sanitary 12.1, 25.1

for viscosities up to 100,000 mPas

Materials (coming into contact with the pumped medium):

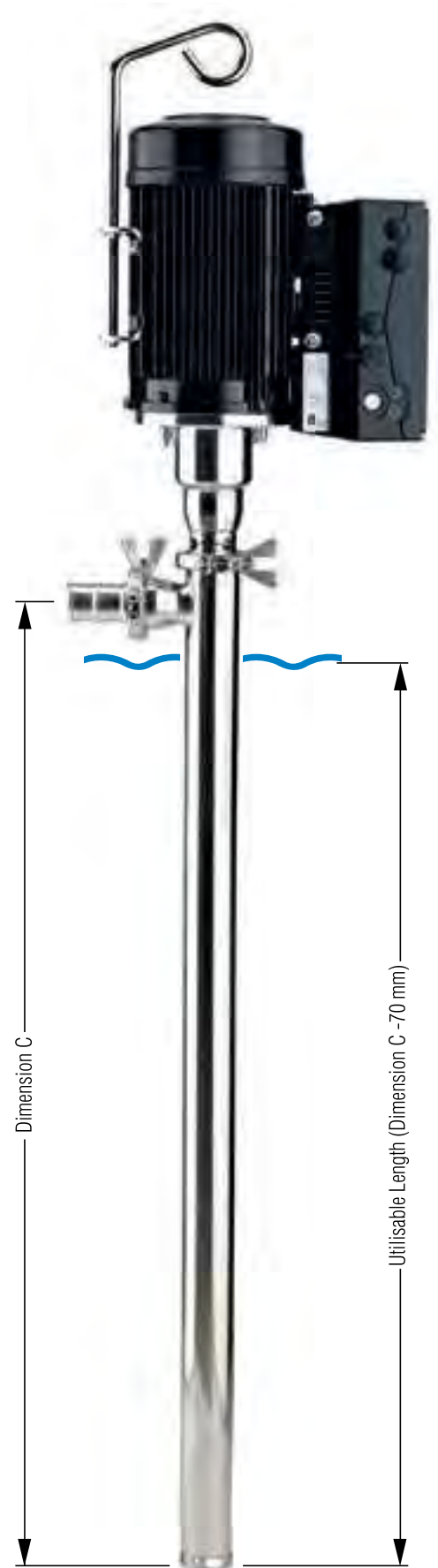
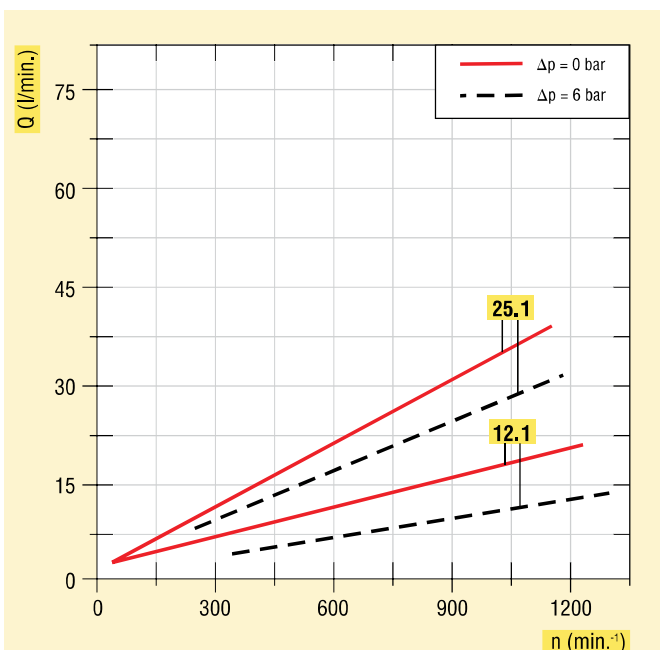
Version:	B70V-H-D Sanitary 12.1/25.1
Housing:	Stainless steel (1.4404)
Rotor:	Stainless steel (1.4571)
Seals:	EPDM
Mechanical seal:	Carbon/SiC/EPDM (optional SiC/SiC/EPDM)
Drive shaft:	Stainless steel (1.4571)
Stator material:	PTFE, EPDM (Size 50.1)

Viton® is a registered trademark of DuPont Performance Elastomers.

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



Equipped with mounting strap and motor quick coupling as standard.



Lutz Eccentric Screw Pumps

B70V-H-D Sanitary 12.1, 25.1

Product detail



Pump tube		B70V-H-D Sanitary	
Size		12.1	25.1
Seal	Mechanical seal (MS)	MS	MS
Delivery rate*	up to l/min.	12	25
Delivery head*	up to bar	6	8
Temp. of medium	up to °C	100	100
Material pump tube		1.4404	1.4404
Immersion tube diameter	mm	54	54
Pressure joint	Tri-Clamp	DN 50	DN 50
Weight	kg	7	7
Length**	mm	1100	1100
Stator PTFE	Order-No.	0172-007	0172-127

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

** Special length on request

- Explosion proof eccentric screw pump approved category 1 / 2 (acc. to ATEX) for pumping inflammable liquids of the explosion group IIA (B70V) and temperature class T4



Choice of motors



Motors with protection switch	For B70V-H-D Sanitary - 12.1		For B70V-H-D Sanitary - 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 16,5 kg	IP 54 11 kg	IP 54 16,5 kg	IP 55 17 kg
Order-No.	0172+808	0172+805	0172+808	0172+811

Motors, explosion proof	For B70V-H-D Sanitary - 12.1		For B70V-H-D Sanitary - 25.1	
Type	0.37 kW, 700 1/min.	0.55 kW, 900 1/min.	0.55 kW, 700 1/min.	0.65 kW, 900 1/min.
Protection class	II 2 G Ex e II T3	II 2 G Ex e II T3	II 2 G Ex e II T3	II 2 G Ex e II T3
Protection class/Weight	IP 54 16.4 kg	IP 54 17.2 kg	IP 54 18 kg	IP 54 15.3 kg
Order-No.	0172-801	0172-804	0172-807	0172-810

Motors with frequency converter	For B70V-H-D Sanitary - 12.1		For B70V-H-D Sanitary - 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.	0172-769		0172-769	0172-768

Three-phase motor
230/400 V, 50 Hz,
RAL 9005,
Efficiency level IE 2
(≥ 0.75 kW) according
to directive 2005/32/EC.

Special voltages,
frequencies, protection
classes on request.



Compressed air motors	For B70V - 12.1	For B70V - 25.1	For B70V - 25.2 / 50.1
Type	4 DA , 0.45 kW, 900 1/min., Weight 5 kg, operating pressure at 6 bar, air consumption 55 Nm³/h,	6 DA , 1.0 kW, 900 1/min., Weight 10 kg, operating pressure at 6 bar, air consumption 80 Nm³/h,	8 DA , 1.7 kW, 900 1/min., Weight 14 kg, operating pressure at 6 bar, air consumption 130 Nm³/h,
	87 dB (A)	87 dB (A)	102 dB (A)
Air supply thread	G 3/8	G 1/2	G 1/2
Order No.	0172-821	0172-822	0172-823

Compressed air motors with muffer up to an operation pressure at 7 bar, recommended speed (200 - 900 1/min).

B70V-H-D Sanitary 25.2, 50.1, 75.1

for viscosities up to 100,000 mPas

Materials (coming into contact with the pumped medium):

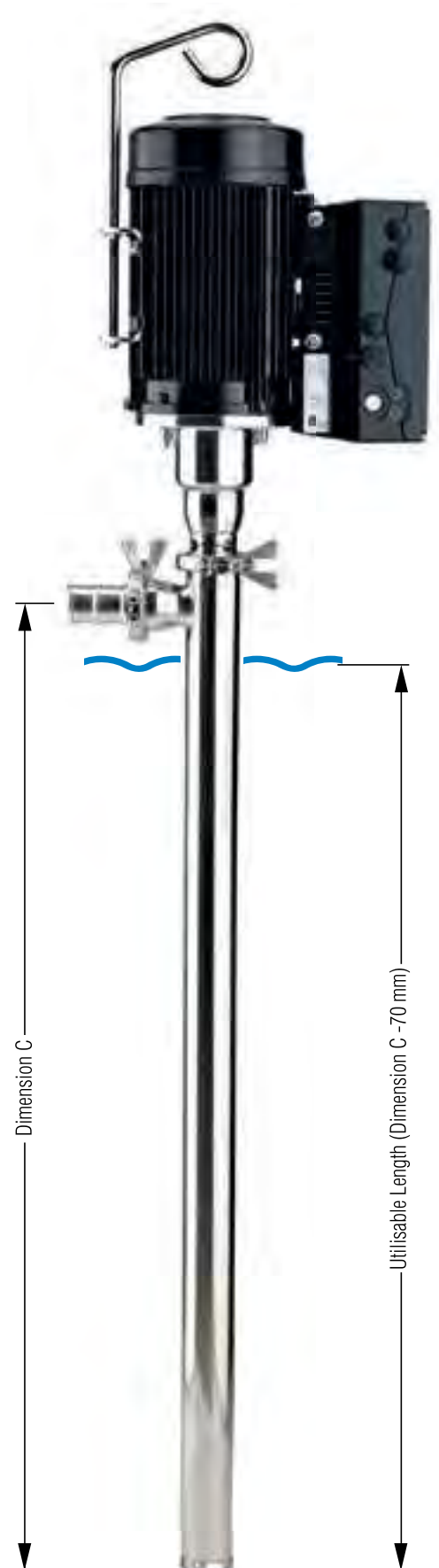
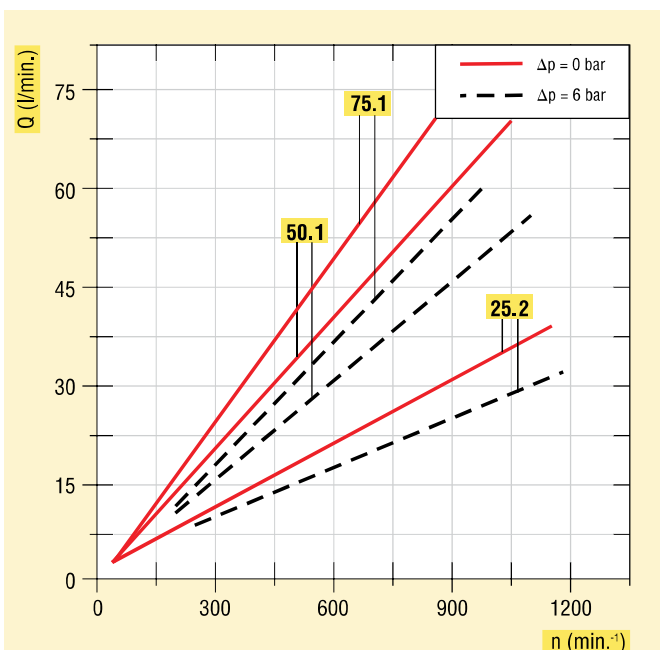
Version:	B70V-H-D Sanitary 25.2/50.1/75.1
Housing:	Stainless steel (1.4404)
Rotor:	Stainless steel (1.4571)
Seals:	EPDM
Mechanical seal:	Carbon/SiC/EPDM (optional SiC/SiC/EPDM)
Drive shaft:	Stainless steel (1.4571)
Stator material:	PTFE, EPDM (Size 50.1)

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




Equipped with mounting strap and motor quick coupling as standard.



Lutz Eccentric Screw Pumps

B70V-H-D Sanitary 25.2, 50.1, 75.1

Productdetail		Pump tube				B70V-H-D Sanitary			
	Size		25.2	50.1	75.1				
	Seal	Mechanical seal (MS)	MS	MS	MS				
	Delivery rate*	up to l/min.	25	50	75				
	Delivery head*	up to bar	10	8	6				
	Temp. of medium	up to °C	100	100	100				
	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 EPDM	Order-No.	–	0172-506	–				
	Stator PTFE	Order-No.	0172-257	0172-507	0172-557				

* Determined with water at 20 °C, three-phase motor (900 rpm) ** Special length on request

● Explosion proof eccentric screw pump approved category 1 / 2 (acc. to ATEX) for pumping inflammable liquids of the explosion group IIA (B70V) and temperature class T4



Choice of motors



Three-phase motor
230/400 V, 50 Hz,
RAL 9005,
Efficiency level IE 2
(≥ 0.75 kW) according
to directive 2005/32/EC.
Special voltages,
frequencies, protection
classes on request.

Motors with protection switch	For B70V-H-D Sanitary - 25.2		For B70V-H-D Sanitary - 50.1	
Type	0,75 kW, 700 1/min.		1,1 kW, 900 1/min.	
Protection class/Weight	IP 54 17 kg		IP 54 21,5 kg	
Order-No.	0172+814		0172+817	
Motors, explosion proof	For B70V-H-D Sanitary - 25.2		For B70V-H-D Sanitary - 50.1	
Type	0.65 kW, 700 1/min.		1.0 kW, 900 1/min.	
Protection class	II 2 G Ex e II T3		II 2 G Ex e II T3	
Protection class/Weight	IP 54 20 kg		IP 54 20 kg	
Order-No.	0172-813		0172-816	
Motors with frequency converter	For B70V-H-D Sanitary - 25.2		For B70V-H-D Sanitary - 50.1	
Type	0,75 kW, 0-900 1/min.	1,1 kW, 0-900 1/min.	1,1 kW, 0-900 1/min.	
Protection class/Weight	IP 54 15 kg	IP 54 20 kg	IP 54 20 kg	
Order-No.	0172-768	0172-767	0172-767	
Motors with cable terminal box	For B70V-H-D Sanitary - 75.1			
Type	1,5 kW, 700 1/min.	1,5 kW, 900 1/min.		
Protection class/Weight	IP 55 33 kg	IP 55 30 kg		
Order-No.	0172-761	0172+829		
Motors with protection switch	For B70V-H-D Sanitary - 75.1			
Type	1,5 kW, 700 1/min.	1,5 kW, 900 1/min.		
Protection class/Weight	IP 54 33 kg	IP 54 30 kg		
Order-No.	0172-760	0172+828		
Motors with frequency converter	For B70V-H-D Sanitary - 75.1			
Type	1.5 kW, 0-900 1/min.			
Protection class/Weight	IP 54 34 kg			
Order-No.	0172-766			



Compressed air motors	For B70V - 75.1
Type	8 DA , 1,7 kW, 900 1/min., Weight 14 kg
Air supply thread	Operating pressure at 6 bar, Air consumption 130 Nm ³ /h, 102 db (A)
Order-No.	G 1/2 0172-823

Compressed air motors with muffler up to an operation pressure at 7 bar, recommended speed (200 - 900 1/min).