

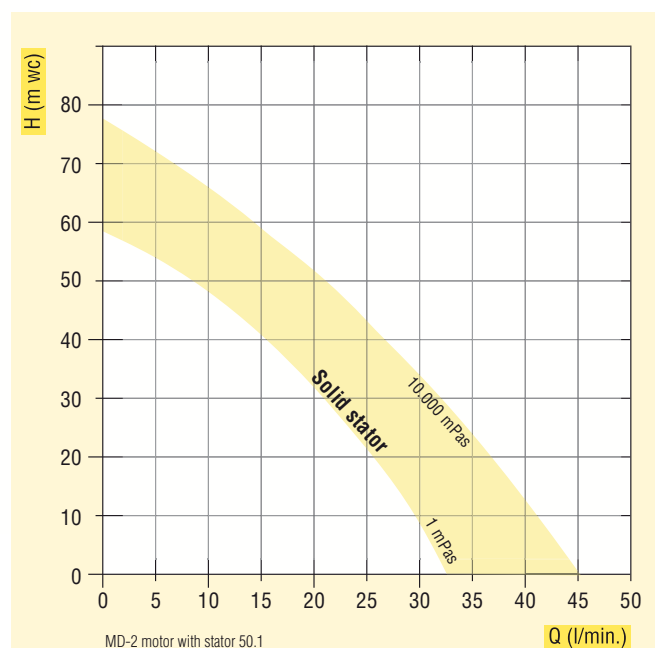
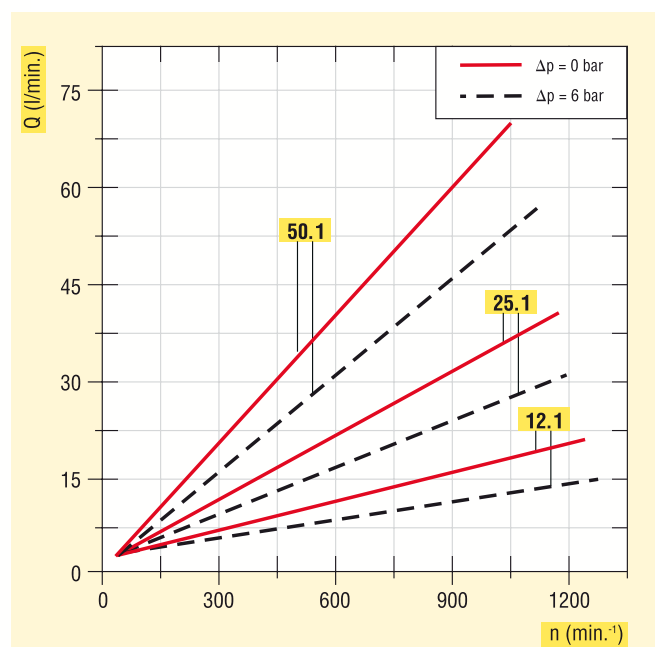
B70V-H-SR Sanitary 12.1, 25.1 and 50.1



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 , EPDM (Size 50.1)



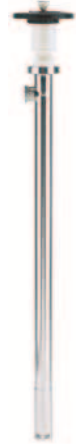
Lutz Eccentric screw pump

B70V-H-SR Sanitary 12.1, 25.1 and 50.1 for viscosities up to 30,000 mPas

Pump tube		B70V-H-SR Sanitary			Product detail
Size		12.1	25.1	50.1	
Seal	Mechanical seal (MS)	MS	MS	MS	
Delivery rate*	up to l/min.	12	25	50	
Delivery head*	up to bar	6	6	8	
Temp. of medium	max. °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.	–	–	0174-516	
Stator PTFE	Order No.	0174-017	0174-137	0174-517	

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

** Special length on request



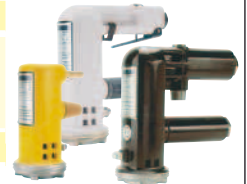
Choice of motors

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)	0030-000	0030-001	0060-000	0060-001	0060-002
Order No. (with low-voltage release)	–	–	0060-008	0060-009	0060-010

Motors in special voltages and frequencies on request.



Compressed air motors	MD-1	MD-2	MD-3
Type	400 W	400 W	400 W
Operating pressure:	6 bar	6 bar	6 bar
Weight	1.1 kg	1.5 kg	2.1 kg
Order No.	0004-087	0004-088	0004-090



Accessories	Order No.
Hose connection	DN 38 to Tri-Clamp DN 50 0172-746
Adapterfitting Tri-Clamp DN 50	to 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

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

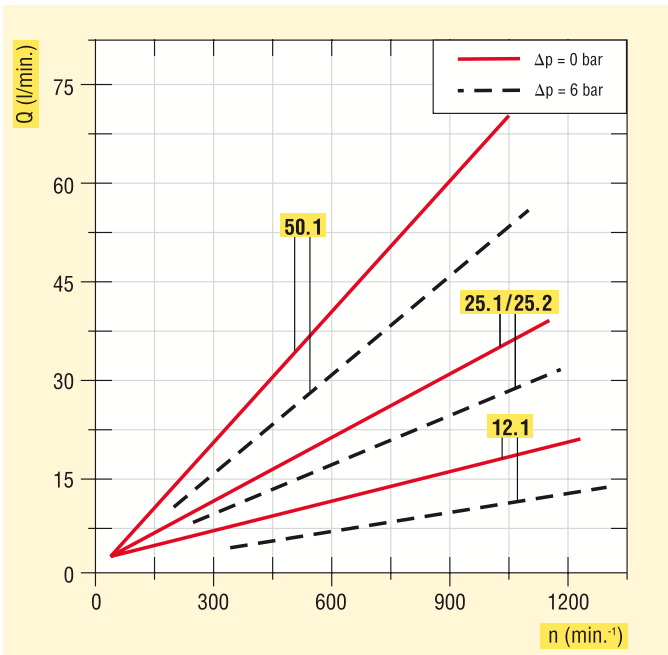


Materials (coming into contact with the pumped medium)

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, EPDM (Size 50.1)



Equipped with mounting strap and motor quick coupling as standard.



Lutz Eccentric screw pumps

B70V-H-D Sanitary 12.1, 25.1, 25.2 and 50.1 for viscosities up to 100,000 mPas

Pump tube		B70V-H-D Sanitary				Product detail
Size		12.1	25.1	25.2	50.1	
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	8	
Temp. of medium	max. °C	100	100	100	100	
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 EPDM	Order No.	—	—	—	0172-506	
Stator PTFE	Order No.	0172-007	0172-127	0172-257	0172-507	

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

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.		0172-750	0172-752	0172-750	0172-753
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.		0172-755		0172-755	0172-756
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.		0172-751		0172-754	
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.		0172-756	0172-757	0172-757	



Three-phase motor
230/400 V, 50 Hz,
RAL 9001,
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,
Air supply thread		87 dB (A) G 3/8	87 dB (A) G 1/2	102 dB (A) G 1/2
Order No.		0172-821	0172-822	0172-823



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

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

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B70V-H-D Sanitary 75.1

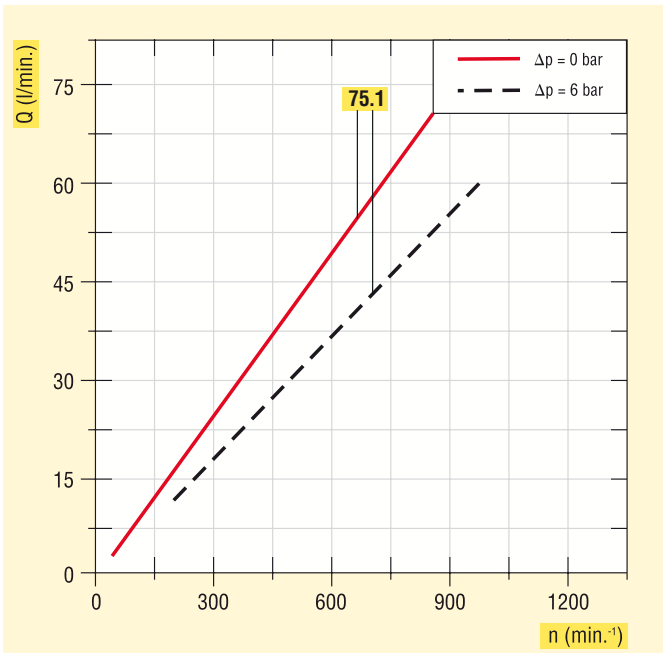


Materials (coming into contact with the pumped medium)

B70V-H-D Sanitary 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



Equipped with mounting strap and motor quick coupling as standard.



Lutz Eccentric screw pumps

B70V-H-D Sanitary 75.1 for viscosities up to 100,000 mPas

Pump tube		B70V-H-D Sanitary	Product detail
Size		75.1	
Seal	Mechanical seal (MS)	MS	
Delivery rate*	up to l/min.	75	
Delivery head*	up to bar	6	
Temp. of medium	max. °C	100	
Material pump tube		1.4404	
Immersion tube diameter	mm	54	
Pressure joint	Tri-Clamp	DN 50	
Weight	kg	7	
Length**	mm	1100	
Stator PTFE	Order No.	0172-557	

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

** Special length on request

Choice of motors

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.		0172-763	0172-765

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.		0172-762	0172-764

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.		0172-758	



Three-phase motor
230/400 V, 50 Hz,
RAL 9001,
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 - 75.1
Type		8 DA, 1.7 kW, 900 1/min., Weight 14 kg, operating pressure at 6 bar, air consumption 130 Nm³/h,
Air supply thread		102 dB (A) G 1/2
Order No.		0172-823



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

Accessories		Order No.
Hose connection	DN 38 to Tri-Clamp DN 50	0172-746
Adapterfitting Tri-Clamp DN 50	to 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

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