

# Lutz Eccentric Screw Pumps

## B70V 120.1

Productdetail

**Pump tube**

**B70V**



Size		<b>120.1</b>
Category 1 / 2 (acc. to ATEX)	no	
Seal	Mechanical seal (MS)	MS
Drive shaft	Universal joint shaft (UJ)	UJ
Delivery rate*	up to l/min.	120
Delivery head*	up to bar	6
Temp. of medium**	up to °C	140
Material pump tube		1.4571
Immersion tube diameter***	up to mm	131
Pressure joint		Tri Clamp DN 50 (DIN 32676)
Weight	kg	15
Length****	mm	1100
Stator NBR light (T max. 80 °C)	Order-No.	<b>0175-201</b>
Stator PTFE (T max. 140 °C)	Order-No.	<b>0175-204</b>

\* Determined with water at 20 °C, three-phase motor (600 rpm and 700 rpm) and elastomer stator

\*\* with PTFE Stator

\*\*\* required bung hole  $\varnothing$  133 mm

\*\*\*\* Special length 500 - 2500 mm on request

### Choice of motors

#### Drive motors

Three-phase motors 230/400 V, 50 Hz, efficiency level IE 2, protection class IP 55 with cable terminal box, protection switch or frequency converter.

Special voltages, frequencies, protection class on request.

#### Connection dimensions

according to IEC 34 part 7 form B14 type M100



# B70V 120.1

for viscosities from 1 - 120,000 mPas

## Materials (coming into contact with the pumped medium):

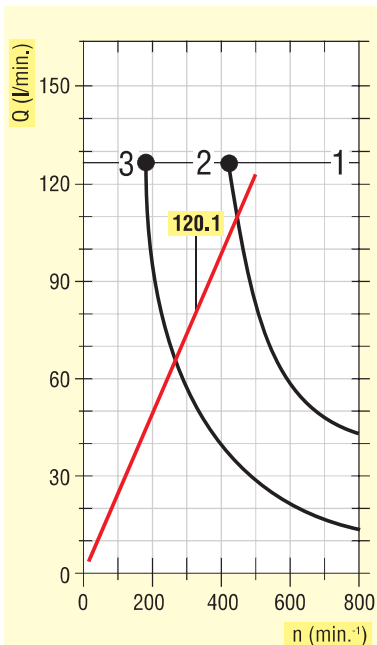
Version:	B70V 120.1	B70V PURE 120.1
Housing:	Stainless steel (1.4571)	Stainless steel (1.4571)
Rotor:	Stainless steel (1.4571)	Stainless steel (1.4571)
Seals:	FPM (Viton®)	FPM (Viton®)
Mechanical seal:*	WC/WC, Viton®	WC/WC, Viton®
Drive shaft:	Stainless steel (1.4571)	Stainless steel (1.4571)
Stator material:	NBR light, PTFE	PTFE

Viton® is a registered trademark of DuPont Performance Elastomers.

\* Mechanical seal pairing on request.



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.



### Range 1:

Thin-bodied and lubricating fluids such as wine, milk, oils etc.  
 $\eta < 7000$  mPas

### Range 2:

Abrasive and viscous fluids such as pulps, adhesives, paints, inks, etc.  
 $\eta < 20,000$  mPas

### Range 3:

Very abrasive and highly viscous fluids such as honey, greases, syrups, etc.  
 $\eta > 20,000$  mPas

### Viscosity range:

Up to limit of flowability

