

Lutz Eccentric Screw Pumps

B70V 120.1

Product detail



Pump tube		B70V
Size		120.1
Category 1 / 2 (acc. to ATEX)		no
Seal	Mechanical seal (MS)	MS
Drive shaft	Torsion shaft (TS) 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 outer 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.	0175-201
Stator PTFE (T max. 140 °C)	Order-No.	0175-204

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

** with PTFE Stator

*** Equipped bung hole Ø 133 mm

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

Choice of motors

Motors with cable terminal box	For B70V - 120.1	
Type	2.2 kW, 600 1/min.	3.0 kW, 600 1/min.
Protection type/Weight	IP 55 43 kg	IP 55 47 kg
Order-No	0175-802	0175-803

Motors with frequency converter	For B70V - 120.1	
Type	3.0 kW, 0-600 1/min.	
Protection type/Weight	IP 55 45 kg	
Order-No	0175+802	



Three-phase motors 230/400 V, 50 Hz,
Energy efficiency category IE 3 in accordance with EU regulations 640/2009 and 04/2014.
Special voltages, frequencies, protection types on request.

B70V 120.1

for viscosities from 1 - 120,000 mPas

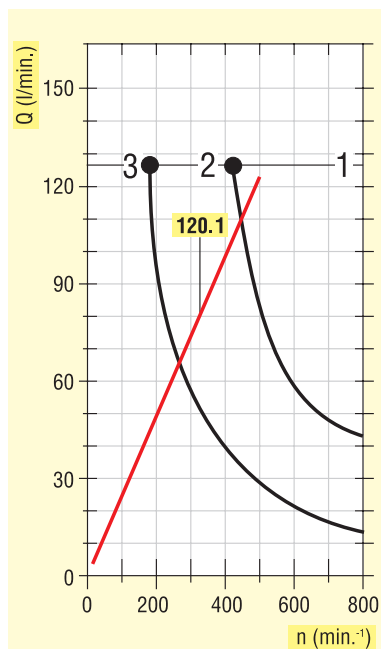
Materials (coming into contact with the pumped medium):

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

* 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:

From aqueous to fluidity range.

