

Lutz Eccentric Screw Pumps

B70V 120.1 PURE for viscous and pasty foodstuffs

Product detail



Pump tubes		B70V PURE
Size		120.1
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
Material stator		PTFE
Pump diameter**	up to mm	131
Pressure joint	Tri-Clamp DN	50
Weight	kg	21
Length***	mm	1100
Order No. basic pump ▲		0175-204
Order No. additional price PURE FPM ▲		0175-208
Order No. additional price PURE EPDM ▲		0175-209

▲ Please choose Order-No. basic pump + Order-No. PURE additional price

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

** required bunghole ø 133 mm

*** Special length 500 - 2000 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 42 kg	IP 55 49 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 motor 230/400 V, 50 Hz,
Energy efficiency class IE 3 in accordance with EU regulations 640/2009 and 04/2014.
Special voltages, frequencies, protection types on request.

B70V 120.1 PURE

for viscosities from 1 - 120.000 mPas

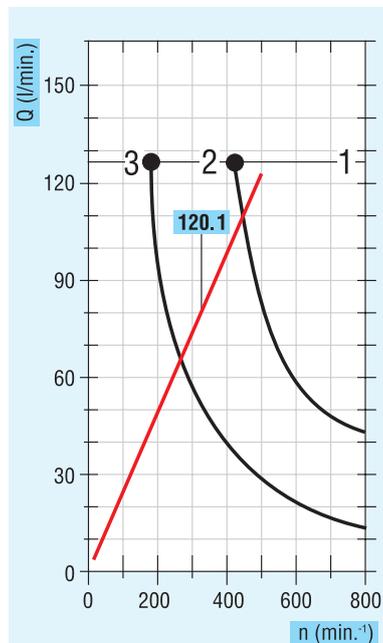
Materials (coming into contact with the pumped medium):

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

Up to limit of flowability

