





# Lutz Drum and Container Pumps

Pump tube PP (polypropylene) for corrosive and neutral liquids

Product detail	Pump tube	PP-SL	PP-MS					
	Type of impeller:	Impeller	Rotor	Impeller	Rotor			
	Category 1 / 2 (acc. to ATEX)	no	no	no	no			
	Immersion tube diameter:	up to mm	41	41	41	41		
	Temperature of medium:	up to °C	50	50	50	50		
	Material:	Pump tube	PP	PP	PP	PP		
		Impeller/Rotor	PP	PP	PP	PP		
	Hose connection:	Nominal diameter mm	19-32	19-32	19-32	19-32		
		Outer thread	G 1 1/4	G 1 1/4	G 1 1/4	G 1 1/4		
	Length: 700 mm***	shaft SS	Order No.	<b>0110-304</b>	<b>0110-300</b>	<b>0103-504</b>	<b>0103-500</b>	
	Length: 1000 mm***	shaft SS	Order No.	<b>0110-305</b>	<b>0110-301</b>	<b>0103-505</b>	<b>0103-501</b>	
	Length: 1200 mm***	shaft SS	Order No.	<b>0110-306</b>	<b>0110-302</b>	<b>0103-506</b>	<b>0103-502</b>	
	Length: 700 mm***	shaft HC	Order No.	<b>0110-204</b>	<b>0110-200</b>	<b>0103-404</b>	<b>0103-400</b>	
	Length: 1000 mm***	shaft HC	Order No.	<b>0110-205</b>	<b>0110-201</b>	<b>0103-405</b>	<b>0103-401</b>	
	Length: 1200 mm***	shaft HC	Order No.	<b>0110-206</b>	<b>0110-202</b>	<b>0103-406</b>	<b>0103-402</b>	
	Length: 1400 mm***	shaft HC	Order No.	<b>0110-208</b>	<b>0110-213</b>	-	-	
Length: 1500 mm***	shaft HC	Order No.	<b>0110-209</b>	<b>0110-214</b>	-	-		
Length: 1600 mm***	shaft HC	Order No.	<b>0110-210</b>	<b>0110-215</b>	-	-		
Length: 1700 mm***	shaft HC	Order No.	<b>0110-211</b>	<b>0110-216</b>	-	-		
Length: 2000 mm***	shaft HC	Order No.	<b>0110-212</b>	<b>0110-217</b>	-	-		
<b>Choice of motors</b>		<b>Operating data</b>						
	<b>MI 4</b>	<b>MI 4-E</b>	Characteristic curve no.	101	100	101	100	
	-	with speed controller	Flow rate* up to l/min.	87	160	87	160	
	Output: 500 W	500 W	Delivery head* up to mWS	19	8.5	19	8.5	
	Voltage: 230 V	230 V	Viscosity** up to mPas	500	150	500	150	
Order No.	<b>0030-000</b>	<b>0030-001</b>	Density:**** up to kg/dm³	1.4	1.1	1.4	1.1	
			Weight (kg) Motor + pump tube	3.9	3.9	3.9	3.9	
	<b>MA II 3</b>		Characteristic curve no.	103	102	103	102	
	Output: 460 W	460 W	Flow rate* up to l/min.	78	155	78	155	
	Voltage: 230 V	230 V	Delivery head* up to mWS	16	7.5	16	7.5	
	LVR.: no	yes	Viscosity** up to mPas	500	150	500	150	
	Order No.	<b>0060-000</b>	<b>0060-008</b>	Density:**** up to kg/dm³	1.6	1.2	1.6	1.2
				Weight (kg) Motor + pump tube	5.7	5.7	5.7	5.7
	<b>MA II 5</b>	<b>MA II 5</b>	<b>MA II 5 S</b>	Characteristic curve no.	105	104	105	104
	Output: 575 W	575 W	575 W	Flow rate* up to l/min.	83	160	83	160
	Voltage: 230 V	230 V	230 V	Delivery head* up to mWS	18	9	18	9
	LVR.: no	yes	no	Viscosity** up to mPas	800	350	800	350
		acid proof	Density:**** up to kg/dm³	1.8	1.3	1.8	1.3	
Order No.	<b>0060-001</b>	<b>0060-009</b>	<b>0060-091</b>	Weight (kg) Motor + pump tube	6.5	6.5	6.5	6.5
Low-voltage release (LVR.): Prevents the pump from starting up again without warning after a power failure. It is recommended when pumping hazardous liquids.	<b>MA II 7</b>		Characteristic curve no.	107	106	107	106	
	Output: 795 W	795 W	Flow rate* up to l/min.	95	170	95	170	
	Voltage: 230 V	230 V	Delivery head* up to mWS	25	12	25	12	
	LVR.: no	yes	Viscosity** up to mPas	800	350	800	350	
	Order No.	<b>0060-002</b>	<b>0060-010</b>	Density:**** up to kg/dm³	1.9	1.4	1.9	1.4
			Weight (kg) Motor + pump tube	7.7	7.7	7.7	7.7	
	<b>MD1xL</b>	<b>MD2xL</b>	Characteristic curve no.	109	108	109	108	
	Output: 1000 W	1000 W	Flow rate* up to l/min.	116	216	116	216	
	Operating pressure: 6 bar	6 bar	Delivery head* up to mWS	36	16	36	16	
	Order No.	<b>0004-725</b>	<b>0004-735</b>	Viscosity** up to mPas	1000	1000	1000	1000
			Density:**** up to kg/dm³	2.8	2.8	2.8	2.8	
			Weight (kg) Motor + pump tube	2.5	2.5	2.5	2.5	

\* Determined with water at 20 °C

\*\* Determined with oil

\*\*\* Special lengths

200–2500 mm on request

\*\*\*\* Determined with 3 m hose 3/4" and open nozzle 3/4"

Higher densities possible for shorter operating periods.

Special voltages and

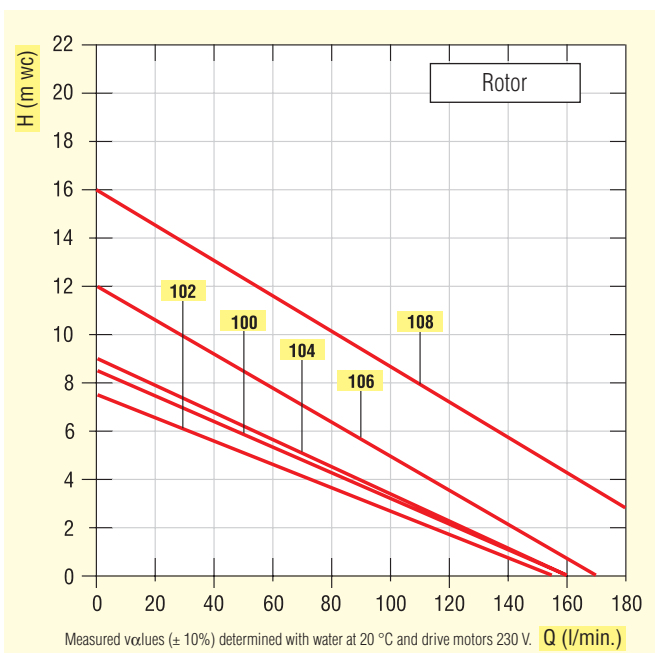
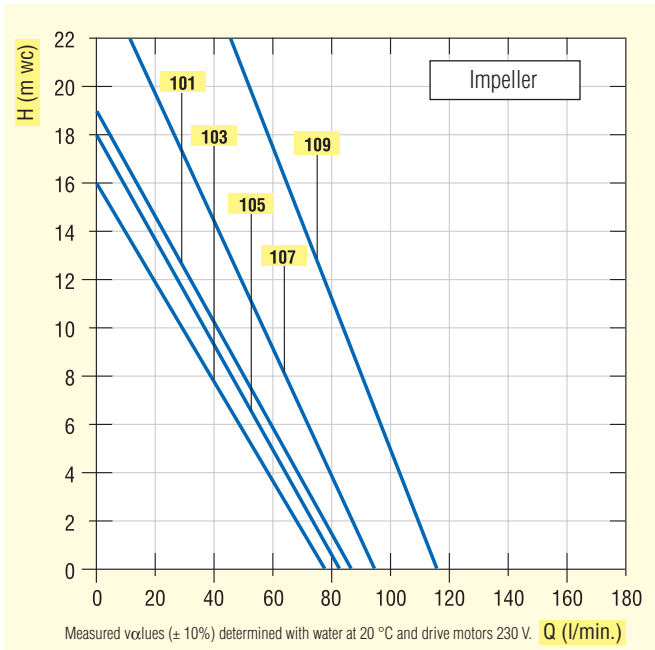
frequencies on request.

# Pump Tube PP (polypropylene)

for corrosive and neutral liquids

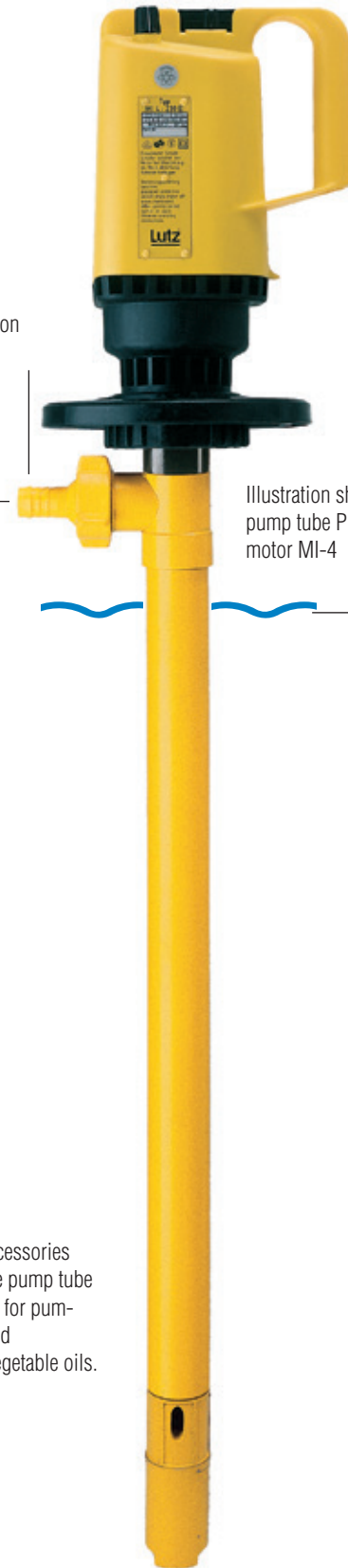
## Materials (coming into contact with the pumped medium):

Version:	SL	MS
Housing:	PP/PVDF	PP/PVDF
Impeller/Rotor:	PP	PP
Seals:	none	FPM
Mechanical seals:	none	Carbon, SiC, FPM, HC-4 (2.4610)
Bearing:	ETFE/PTFE	ETFE/PTFE
Drive shaft:	Stainless steel (1.4571) or HC-4 (2.4610)	Stainless steel (1.4571) or HC-4 (2.4610)



Please remember that the flow rate is reduced as the **viscosity** increases. The **density** of the pumped liquid similarly affects the flow rate, though to a lesser extent.

Accessories  
hose connection  
see page 83



With selected accessories (see page 96) the pump tube also can be used for pumping cold-pressed rapeseed- and vegetable oils.



Suitable range of accessories  
see pages 80-96