

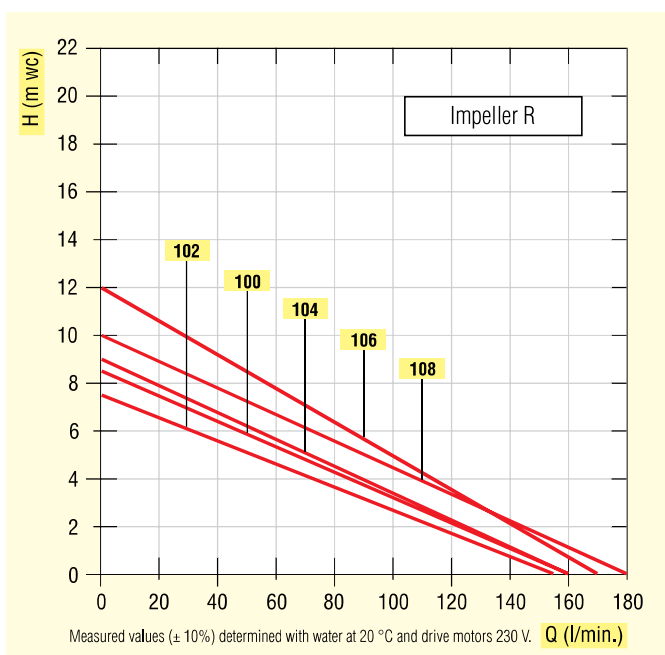
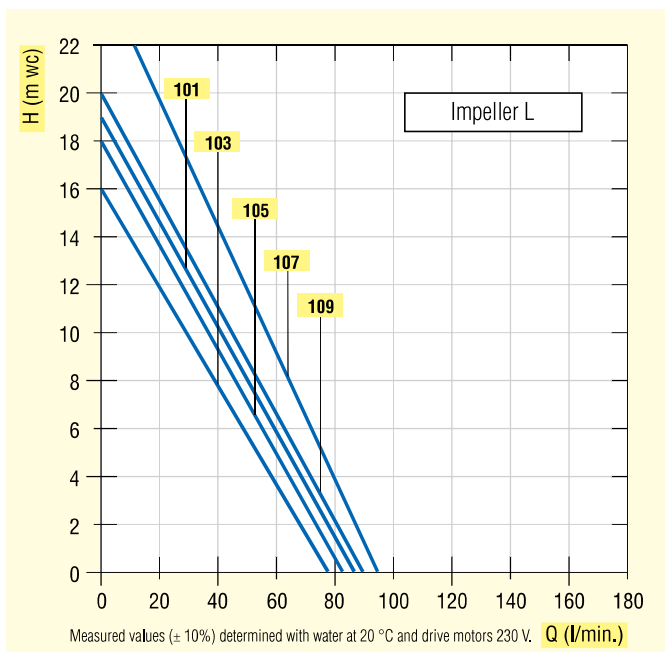
# Pump Tube PP (polypropylene)

for corrosive and neutral liquids

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

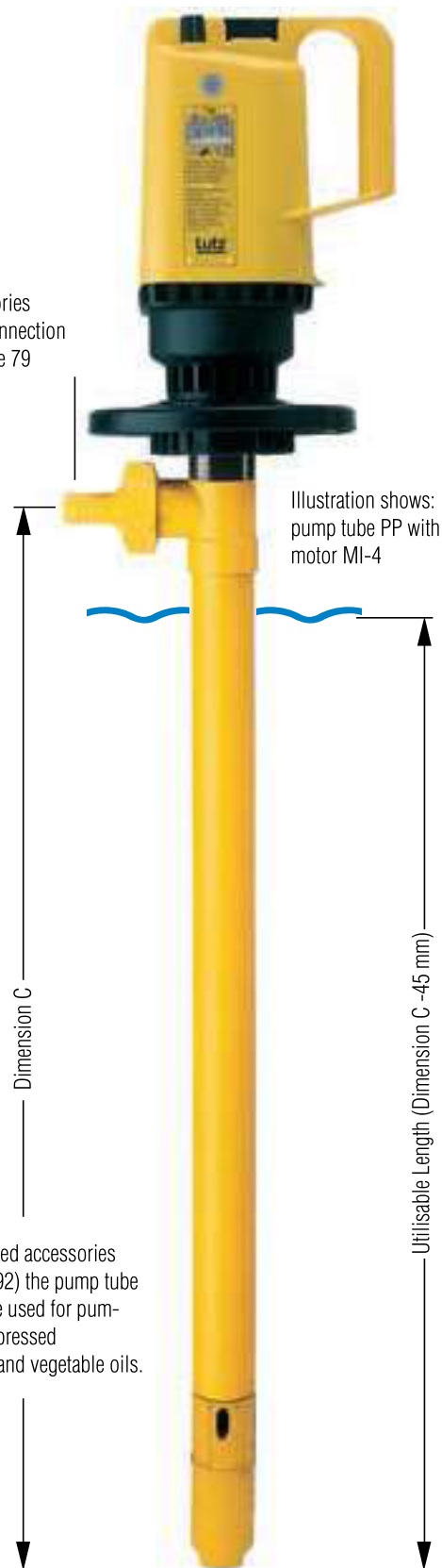
Version:	SL	MS
Housing:	PP/PVDF	PP/PVDF
Impeller:	PP	PP
Seals:	none	Viton®
Mechanical seals:	none	Carbon, SiC, Viton®, HC-4 (2.4610)
Bearing:	ETFE/PTFE	ETFE/PTFE
Drive shaft:	Stainless steel (1.4571) or HC-4 (2.4610)	Stainless steel (1.4571) or HC-4 (2.4610)

Viton® is a registered trademark of DuPont Performance Elastomers.




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 79




# Lutz Drum and Container Pumps


## Pump tube PP (polypropylene) for corrosive and neutral liquids


Productdetail	Pump tube	PP-SL		PP-MS		
	Type of impeller	L	R	L	R	
	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 Impeller	PP PP	PP PP	PP PP	PP PP
	Hose connection	Nominal diameter mm Outer thread	19-32 G 1 1/4	19-32 G 1 1/4	19-32 G 1 1/4	19-32 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>	–	–	

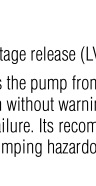
### Choice of motors


### Operating data

	MI-4	MI-4-E					
	-	with speed controller					
Output	500 W	500 W	Flow rate* up to l/min.	87	160	87	160
Voltage	230 V	230 V	Delivery head* up to m wc	19	8.5	19	8.5
Order No.	<b>0030-000</b>	<b>0030-001</b>	Viscosity** up to mPas	500	150	500	150
			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

	MA II 3							
	Output:	460 W	460 W					
Voltage:	230 V	230 V		Flow rate* up to l/min.	78	155	78	155
LVR.:	no	yes		Delivery head* up to m wc	16	7.5	16	7.5
Order No.	<b>0060-000</b>	<b>0060-008</b>		Viscosity** up to mPas	500	150	500	150
				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

	MA II 5	MA II 5	MA II 5 S					
	Output:	575 W	575 W					575 W
Voltage:	230 V	230 V	230 V	Flow rate* up to l/min.	83	160	83	160
LVR.:	no	yes	no	Delivery head* up to m wc	18	9	18	9
Order No.	<b>0060-001</b>	<b>0060-009</b>	<b>0060-091</b>	Viscosity** up to mPas	800	350	800	350
			acid-proof	Density**** up to kg/dm³	1.8	1.3	1.8	1.3
				Weight (kg) Motor + pump tube	6.5	6.5	6.5	6.5

	MA II 7						
	Output:	795 W					795 W
Voltage:	230 V	230 V	Flow rate* up to l/min.	90	170	90	170
LVR.:	no	yes	Delivery head* up to m wc	22	12	22	12
Order No.	<b>0060-002</b>	<b>0060-010</b>	Viscosity** up to mPas	800	350	800	350
			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

	MD-1	MD-2					
	Output:	400 W					400 W
Operating pressure:	6 bar	6 bar	Flow rate* up to l/min.	90	180	90	180
Order No.	<b>0004-087</b>	<b>0004-088</b>	Delivery head* up to m wc	20	10	20	10
			Viscosity** up to mPas	850	600	850	600
			Density**** up to kg/dm³	1.8	1.3	1.8	1.3
			Weight (kg) Motor + pump tube	2.6	2.6	2.6	2.6

\* 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.

Low-voltage release (LVR.): Prevents the pump from starting up again without warning after a power failure. Its recommended when pumping hazardous liquids.