





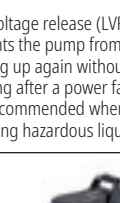

# Lutz Drum and Container Pumps

Pump tube MP-PP (polypropylene) for mixing and pumping of corrosive and neutral liquids

Productdetail		Pump tube	MP-PP-SL		MP-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	50	50	50	50	
	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: 1000 mm***	shaft SS	Order No.	<b>0110-350</b>	*	<b>0103-350</b>	*
	Length: 1200 mm***	shaft SS	Order No.	*	<b>0110-360</b>	*	*
Length: 1000 mm***	shaft HC	Order No.	<b>0110-355</b>	*	*	*	
Length: 1200 mm***	shaft HC	Order No.	*	<b>0110-365</b>	*	*	

\*available on request

## Choice of motors Operating data

	<b>MI 4</b>	<b>MI 4-E</b>	Characteristic curve no.	802	801	802	801	
	-	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	
	<b>MA II 3</b>		Weight (kg) Motor + pump tube	4.1	4.1	4.1	4.1	
	Output: 460 W	460 W	Characteristic curve no.	804	803	804	803	
	Voltage: 230 V	230 V	Flow rate* up to l/min.	78	155	78	155	
	LVR.: no	yes	Delivery head* up to mWS	16	7.5	16	7.5	
	Order No. <b>0060-000</b>	<b>0060-008</b>	Viscosity** up to mPas	500	160	500	160	
	<b>MA II 5</b>	<b>MA II 5</b>	Density:**** up to kg/dm³	1.6	1.2	1.6	1.2	
	Output: 575 W	575 W	<b>MA II 5 S</b>	Weight (kg) Motor + pump tube	5.9	5.9	5.9	5.9
	Voltage: 230 V	230 V	230 V	Characteristic curve no.	806	805	806	805
	LVR.: no	yes	no	Flow rate* up to l/min.	83	160	83	160
	Order No. <b>0060-001</b>	<b>0060-009</b>	acid proof	Delivery head* up to mWS	18	9	18	9
	<b>MA II 7</b>		Viscosity** up to mPas	800	350	800	350	
	Output: 795 W	795 W	Density:**** up to kg/dm³	1.8	1.3	1.8	1.3	
	Voltage: 230 V	230 V	Weight (kg) Motor + pump tube	6.7	6.7	6.7	6.7	
	LVR.: no	yes	Characteristic curve no.	808	807	808	807	
	Order No. <b>0060-002</b>	<b>0060-010</b>	Flow rate* up to l/min.	95	170	95	170	
	<b>MD1xL</b>	<b>MD2xL</b>	Delivery head* up to mWS	25	12	25	12	
	Output: 1000 W	1000 W	Viscosity** up to mPas	800	350	800	350	
	Operating pressure: 6 bar	6 bar	Density:**** up to kg/dm³	1.9	1.4	1.9	1.4	
		infinitely varied	Weight (kg) Motor + pump tube	7.9	7.9	7.9	7.9	
	Order No. <b>0004-725</b>	<b>0004-735</b>	Flow rate* up to l/min.	116	216	116	216	
		Delivery head* up to mWS	36	16	36	16		
		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	2.7	2.7	2.7	2.7		

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

\* Determined with water at 20 °C  
\*\* Determined with oil

\*\*\*Special lengths 400–2000 mm on request

\*\*\*\*Determined with 3 m hose 3/4" and open nozzle 3/4". Higher densities possible for shorter operating periods.

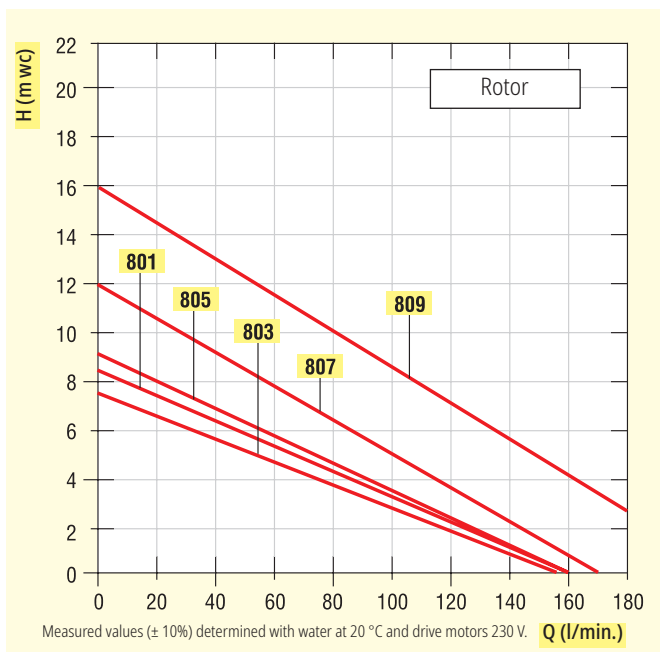
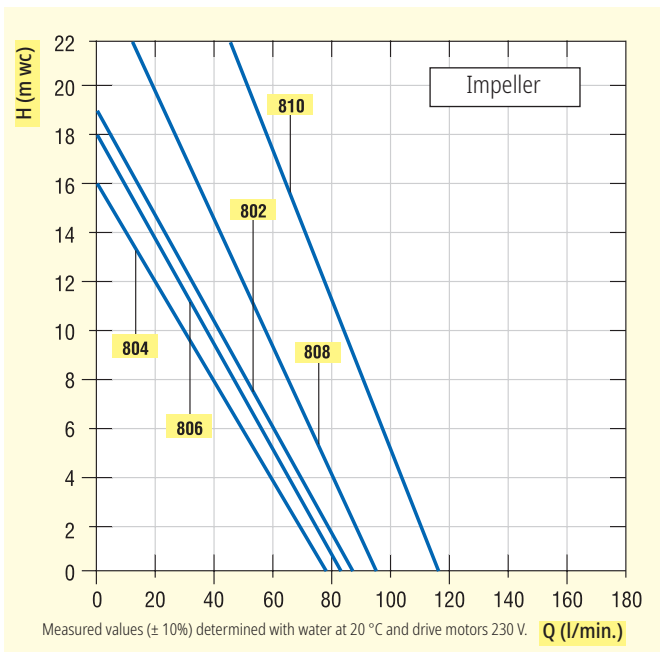
Special voltages and frequencies on request.

# Pump Tube MP-PP (polypropylene)

for mixing and pumping of corrosive and neutral liquids

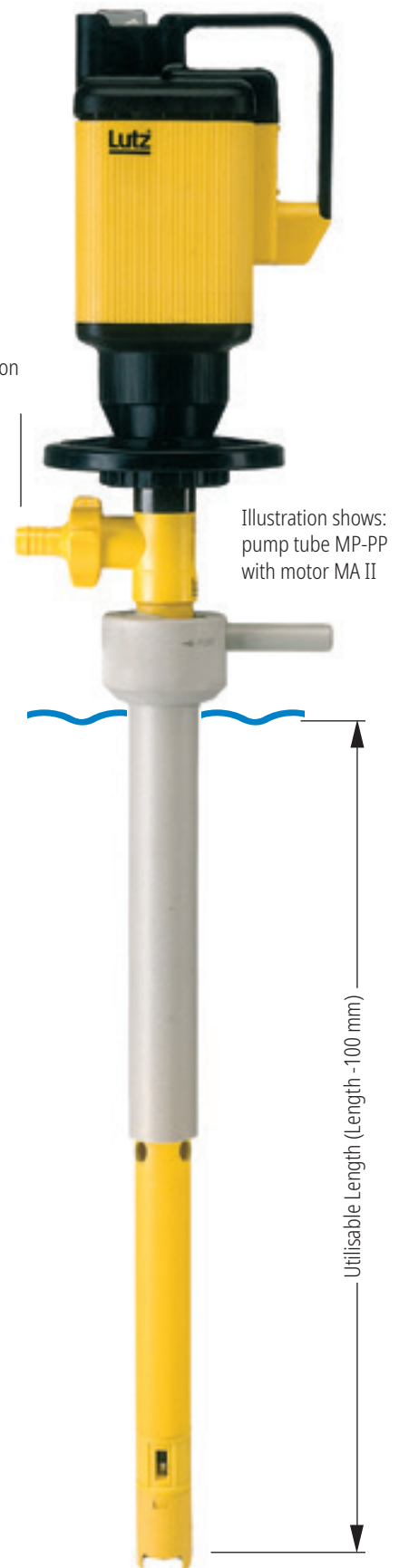
## Materials (coming into contact with the pumped medium):

Version:	SL	MS
Housing:	PP/PVDF	PP/PVDF
Impeller/Rotor:	PP	PP
Seals:	none	FPM
Mechanical seals:	none	Carbon, SiC, FPM, HC
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



Suitable range of accessories  
see pages 80-96