

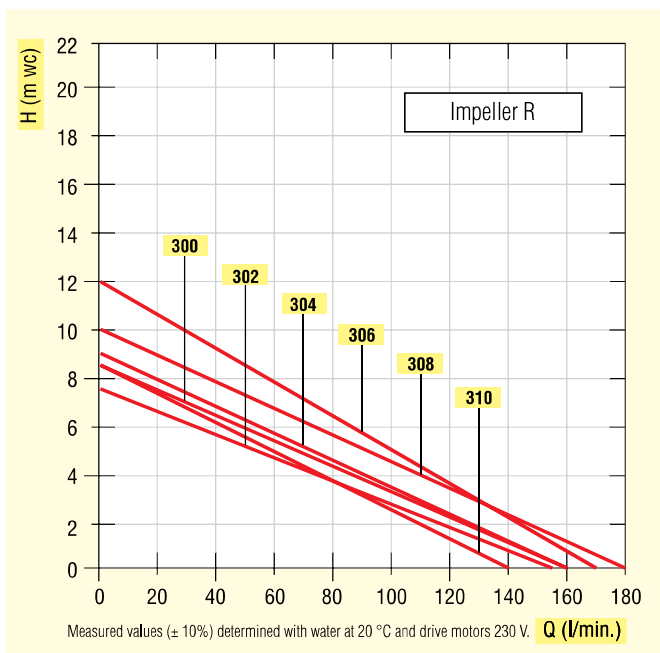
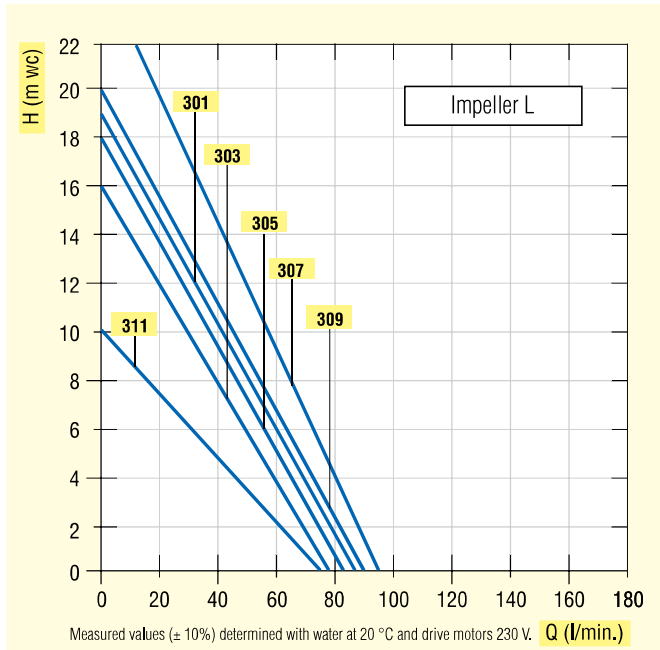
# Pump Tube Alu (aluminium)

for neutral, non flammable liquids

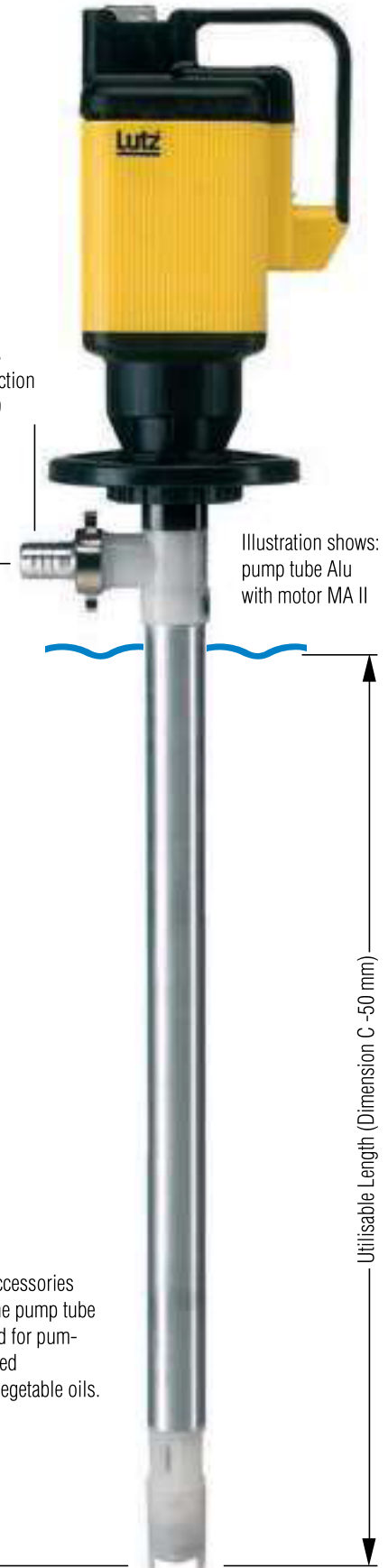
## Materials (coming into contact with the pumped medium):

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

Viton® is a registered trademark of DuPont Performance Elastomers.



Accessories  
hose connection  
see page 79









With selected accessories (see page 92) the pump tube also can be used for pumping cold-pressed rapeseed- and vegetable oils.

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.

# Lutz Drum and Container Pumps

## Pump tube Alu (aluminium) for neutral, non flammable liquids

Productdetail	Pump tube	Alu-SL		Alu-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	100	100	100	100				
	Material:	Pump tube	Alu	Alu	Alu	Alu				
		Impeller	ETFE	ETFE	ETFE	ETFE				
	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***	Order No.	<b>0132-304</b>	<b>0132-300</b>	<b>0133-504</b>	<b>0133-500</b>				
	Length: 1000 mm***	Order No.	<b>0132-305</b>	<b>0132-301</b>	<b>0133-505</b>	<b>0133-501</b>				
Length: 1200 mm***	Order No.	<b>0132-306</b>	<b>0132-302</b>	<b>0133-506</b>	<b>0133-502</b>					
Length: 1500 mm***	Order No.	<b>0132-309</b>	-	-	-					
<b>Choice of motors</b>		<b>Operating data</b>								
	<b>MI-4</b>		<b>MI-4-E</b>		Characteristic curve no.	301	300	301	300	
	-	with speed controller			Flow rate* up to l/min.	87	160	87	160	
	Output: 500 W	500 W			Delivery head* up to m wc	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	4.3	4.3	4.3	4.3	
	<b>MA II 3</b>			Characteristic curve no.	303	302	303	302		
	Output: 460 W	460 W		Flow rate* up to l/min.	78	155	78	155		
	Voltage: 230 V	230 V		Delivery head* up to m wc	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	6.1	6.1	6.1	6.1	
	<b>MA II 5</b>			<b>MA II 5</b>	<b>MA II 5 S</b>	Characteristic curve no.	305	304	305	304
	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 m wc	18	9	18	9	
	LVR.: no	yes	no		Viscosity** up to mPas	800	350	800	350	
Order No.	<b>0060-001</b>	<b>0060-009</b>	<b>0060-091</b>		Density**** up to kg/dm³	1.8	1.3	1.8	1.3	
					Weight (kg) Motor + pump tube	6.9	6.9	6.9	6.9	
	<b>MA II 7</b>			Characteristic curve no.	307	306	307	306		
	Output: 795 W	795 W		Flow rate* up to l/min.	95	170	95	170		
	Voltage: 230 V	230 V		Delivery head* up to m wc	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	8.1	8.1	8.1	8.1	
		<b>MD-1</b>		<b>MD-2</b>		Characteristic curve no.	309	308	309	308
		Output: 400 W	400 W			Flow rate* up to l/min.	90	180	90	180
		Operating pressure: 6 bar	6 bar			Delivery head* up to m wc	20	10	20	10
		Order No.	<b>0004-087</b>	<b>0004-088</b>			Viscosity** up to mPas	850	600	850
						Density**** up to kg/dm³	1.8	1.3	1.8	1.3
						Weight (kg) Motor + pump tube	3.0	3.0	3.0	3.0
	<b>B4/GT</b>			Characteristic curve no.	311	310	311	310		
	Output: 750 W	750 W		Flow rate* up to l/min.	75	140	75	140		
	Voltage: 230/400 V	230/400 V		Delivery head* up to m wc	10	8.5	10	8.5		
	Protection switch: no	yes		Viscosity** up to mPas	400	400	400	400		
	Order No.	<b>0004+019</b>	<b>0004+067</b>		Density**** up to kg/dm³	2.2	2.0	2.2	2.0	
					Weight (kg) Motor + pump tube	11.3	11.3	11.3	11.3	

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 \*\*\* Special lengths 200-2500 mm on request  
 \*\* Determined with oil

\*\*\*\* 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.