

# Lutz Drum and Container Pumps

Pump tube PVDF (polyvinylidene fluoride) for highly corrosive chemicals and neutral liquids

Product detail	Pump tube	PVDF-SL		PVDF-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	100	100	100	100		
	Material:	Pump tube Impeller/Rotor	PVDF ETFE	PVDF ETFE	PVDF ETFE	PVDF ETFE		
	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***	Order No.	<b>0122-204</b>	<b>0122-200</b>	<b>0123-404</b>	<b>0123-400</b>		
Length: 1000 mm***	Order No.	<b>0122-205</b>	<b>0122-201</b>	<b>0123-405</b>	<b>0123-401</b>			
Length: 1200 mm***	Order No.	<b>0122-206</b>	<b>0122-202</b>	<b>0123-406</b>	<b>0123-402</b>			
<b>Choice of motors</b>		<b>Operating data</b>						
	<b>MI 4</b>	<b>MI 4-E</b>	Characteristic curve no.	201	200	201	200	
	-	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	4.5	4.5	4.5	4.5	
	<b>MA II 3</b>		Characteristic curve no.	203	202	203	202	
	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	6.3	6.3	6.3	6.3	
	<b>MA II 5</b>	<b>MA II 5</b>	<b>MA II 5 S</b>	Characteristic curve no.	205	204	205	205
	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
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	7.1	7.1	7.1	7.1
	<b>MA II 7</b>			Characteristic curve no.	207	206	207	206
	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	8.3	8.3	8.3	8.3
	<b>MD1xL</b>	<b>MD2xL</b>		Characteristic curve no.	209	208	209	208
	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
				Viscosity** up to mPas	1000	1000	1000	1000
Order No.	<b>0004-725</b>	<b>0004-735</b>		Density:**** up to kg/dm³	2.8	2.8	2.8	2.8
				Weight (kg) Motor + pump tube	3.1	3.1	3.1	3.1
	<b>B4/GT</b>			Characteristic curve no.	211	210	211	210
	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 mWS	10	8.5	10	8.5
	Protection switch no	yes		Viscosity** up to mPas	400	400	400	400
Order No.	<b>0004-050</b>	<b>0004-052</b>		Density:**** up to kg/dm³	2.2	2.0	2.2	2.0
				Weight (kg) Motor + pump tube	12.5	12.5	12.5	12.5

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

\* 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.

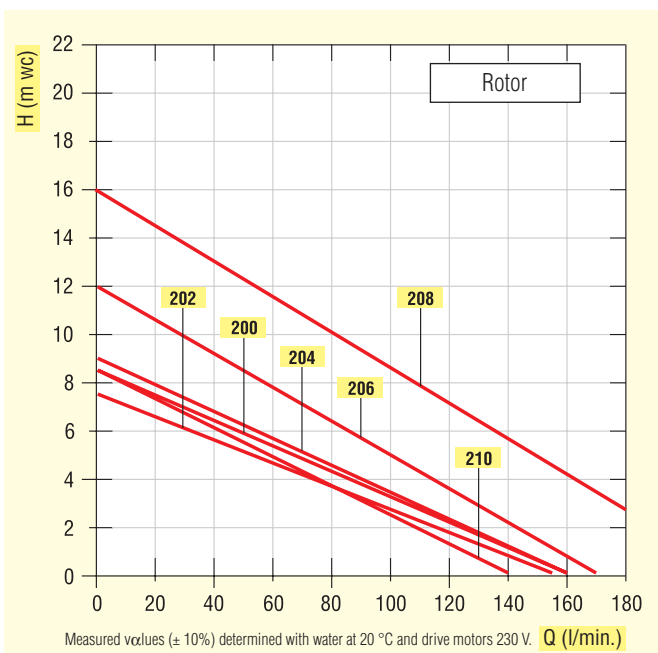
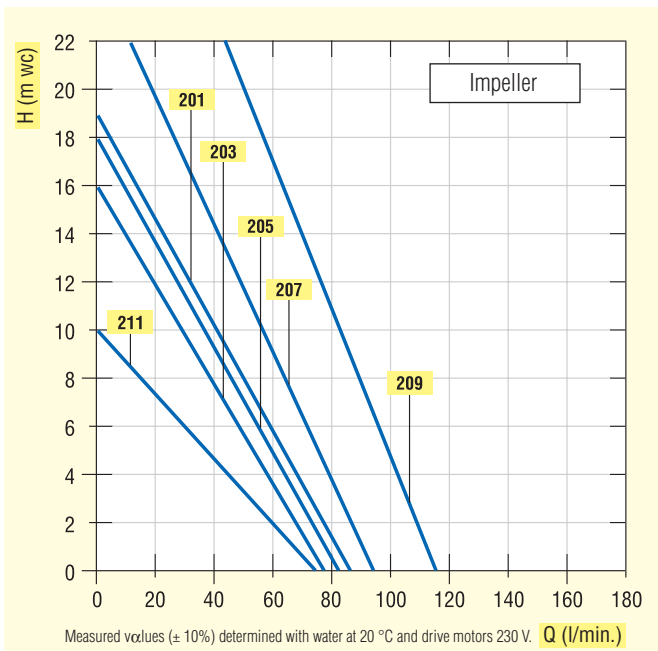
Special voltages and frequencies on request.

# Pump Tube PVDF (polyvinylidene fluoride)

for highly corrosive chemicals and neutral liquids

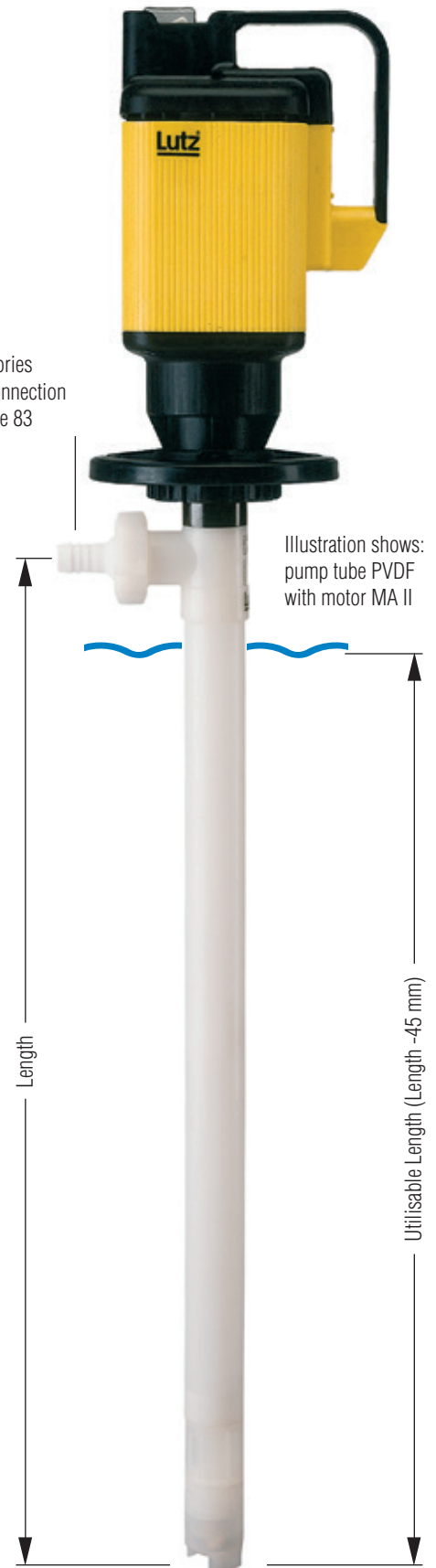
## Materials (coming into contact with the pumped medium):

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