



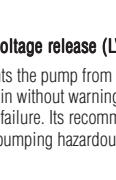




Lutz Drum and Container Pumps

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

Product detail	Pump tube	PVDF-SL		PVDF-MS				
	Type of impeller	L	R	L	R			
	Category 1 / 2 (acc. to Atex 100a)	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	PVDF	PVDF	PVDF	PVDF		
		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.	0122-204	0122-200	0123-404	0123-400			
Length: 1000 mm***	Order No.	0122-205	0122-201	0123-405	0123-401			
Length: 1200 mm***	Order No.	0122-206	0122-202	0123-406	0123-402			
Choice of motors		Operating data						
	MI 4	MI 4-E	Characteristic curve no.	201	200	201	200	
	-	with speed controller	Flow rate* up to l/min.	85	160	85	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. 0030-000	0030-001	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		
	MA II 3		Characteristic curve no.	203	202	203	202	
	Output: 460 W	460 W	Flow rate* up to l/min.	75	155	75	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. 0060-000	0060-008	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		
	MA II 5	MA II 5	MA II 5 S	Characteristic curve no.	205	204	205	204
	Output: 575 W	575 W	575 W	Flow rate* up to l/min.	80	160	80	160
	Voltage: 230 V	230 V	230 V	Delivery head* up to m wc	17	8.5	17	8.5
	LVR.: no	yes	no	Viscosity** up to mPas	800	350	800	350
	Order No. 0060-001	0060-009	0060-091	Density**** up to kg/dm³	1.8	1.3	1.8	1.3
		acid-proof	Weight (kg) motor + pump tube	7.1	7.1	7.1	7.1	
	MA II 7			Characteristic curve no.	207	206	207	206
	Output: 795 W	795 W		Flow rate* up to l/min.	90	170	90	170
	Voltage: 230 V	230 V		Delivery head* up to m wc	22	10	22	10
	LVR.: no	yes		Viscosity** up to mPas	800	350	800	350
	Order No. 0060-002	0060-010		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	
	MD-1	MD-2		Characteristic curve no.	209	208	209	208
	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. 0004-087	0004-088		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	3.2	3.2	3.2	3.2	
	B4/GT			Characteristic curve no.	211	210	211	210
	Output: 750 W	750 W		Flow rate* up to l/min.	70	130	70	130
	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. 0004-019	0004-067		Density**** up to kg/dm³	2.2	2.0	2.2	2.0
			Weight (kg) motor + pump tube	11.7	11.7	11.7	11.7	

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

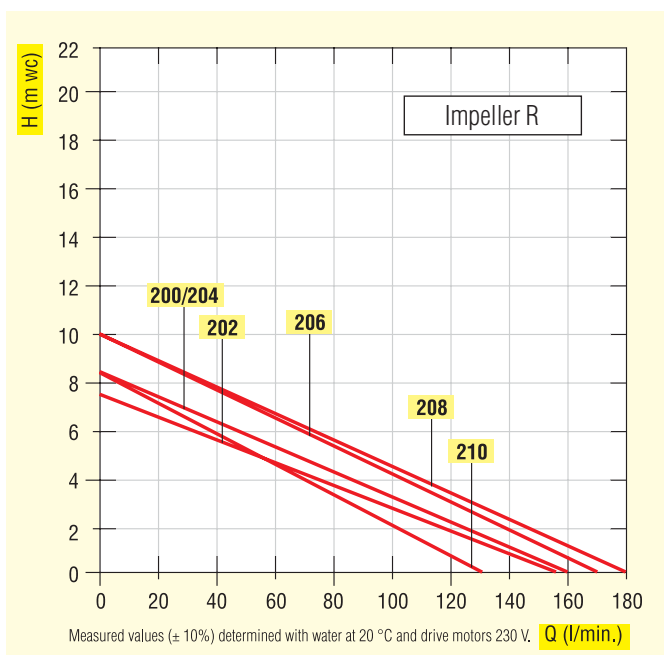
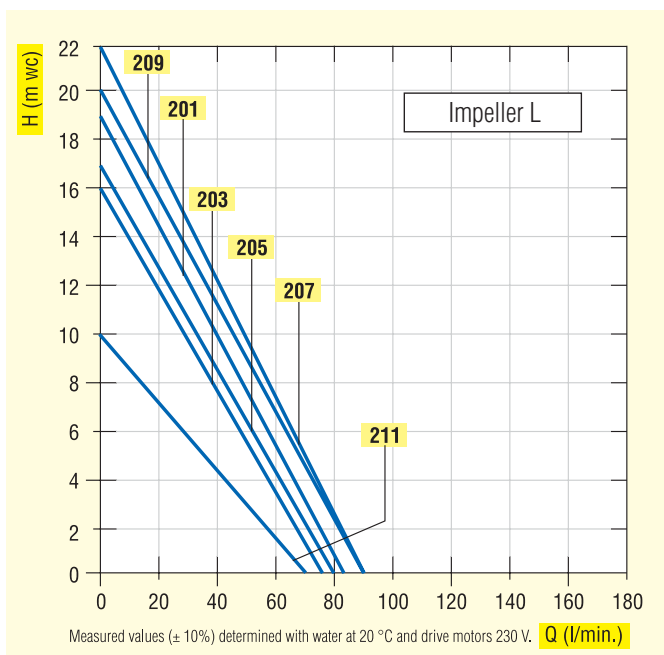
Pump Tube PVDF (polyvinylidene fluoride)

for highly corrosive chemicals and neutral liquids

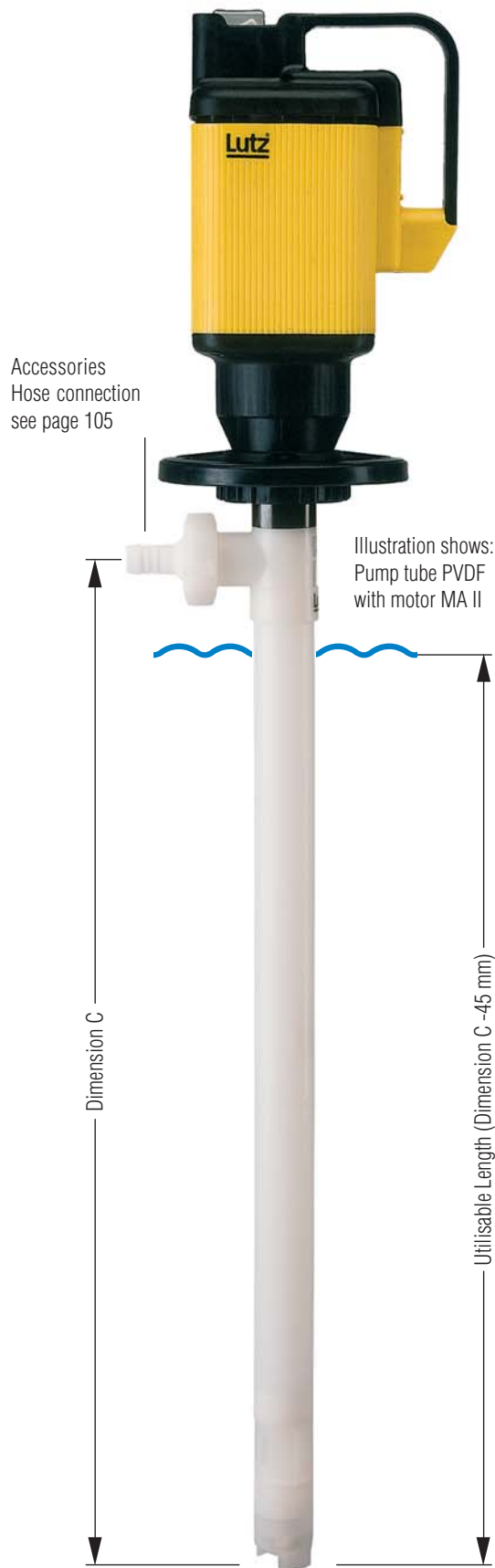
Materials (coming into contact with the pumped medium)

	PVDF-SL	PVDF-MS
Housing:	PVDF	PVDF
Impeller:	ETFE	ETFE
Seals:	none	Viton®
Mechanical seal:	none	Carbon/SiC, Viton®, HC-4 (2.4610)
Bearing:	ETFE/PTFE	ETFE/PTFE
Drive shaft:	HC-4 (2.4610)	HC-4 (2.4610)

Viton® is a registered trademark of DuPont Dow 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.



Detail dimensions see Chapter 06 page 260



Suitable range of accessories
see pages 102-115