

Lutz Pump Tubes RE for complete drum drainage

In stainless steel and polypropylene



*Pump tube RE: Environmentally friendly and cost-efficient.
The first pump tube for complete drainage worldwide.*

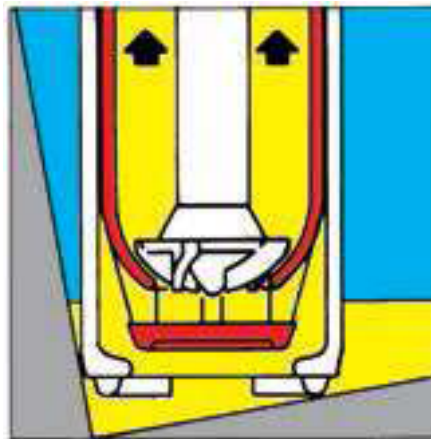
Competitive edge instead of drawback

Experts, never tired of work:

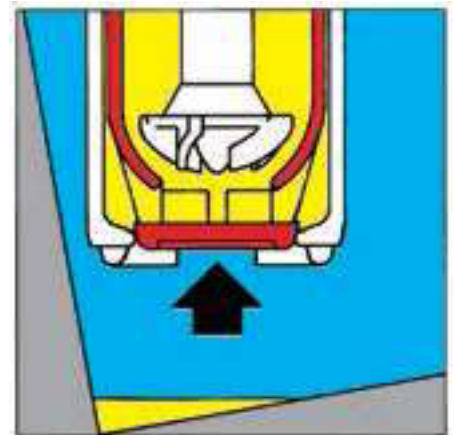
Lutz pump tubes RE in stainless steel and polypropylene. Not only are they environmentally safe, they also help to save money. On the one hand, the liquid is used to the maximum, on the other hand, the cost for disposing of residuals is drastically reduced, since only the slightest residue remains in the containers.

Open to everything but absolutely leak-proof...

The power is transferred to the drive shaft via a flexible coupling that is sealed well and bedded in a shaft tube. The impeller feeds the liquid safely to the hose connection on top of the pump.



The sealing cap is open – the liquid is pumped out.



The closed sealing cap prevents a return flow when the pump is removed.

Patented solution

With the motor running, the pump foot is closed by lowering the sealing cap within the pump tube. The sealing cap locks the pump foot and prevents the entered liquid from flowing back into the drum. Closing is done in no time at all – carried out by a small lever below the hand wheel. With the motor switched off, the pump tube holding the liquid can be removed and inserted into the next drum. A development that has rightfully been patented.

Down-to-earth technology

RE pump tubes for complete drainage feature a simple yet very convincing concept. Simple – and that is exactly why it is ingenious – since the integration of the RE concept offers considerable advantages. Due to their technology, these pumps guarantee maximum pump out of the fluid, literally draining the container "to the dregs". The residues amount to less than 0.10 l.

Residues less than 0.10 l

German Patent:

DE 37 18325 C2

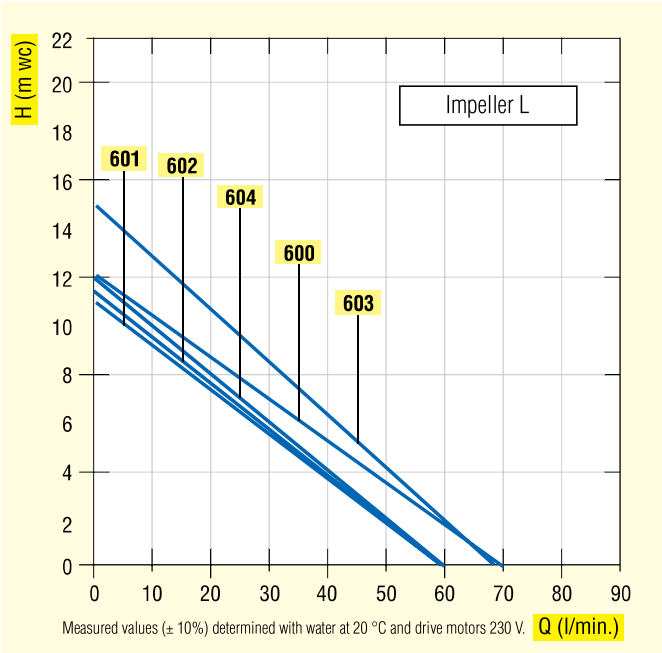
Pump Tube RE-PP (polypropylene)

for complete drum drainage of corrosive and neutral liquids

Materials (coming into contact with the pumped medium):

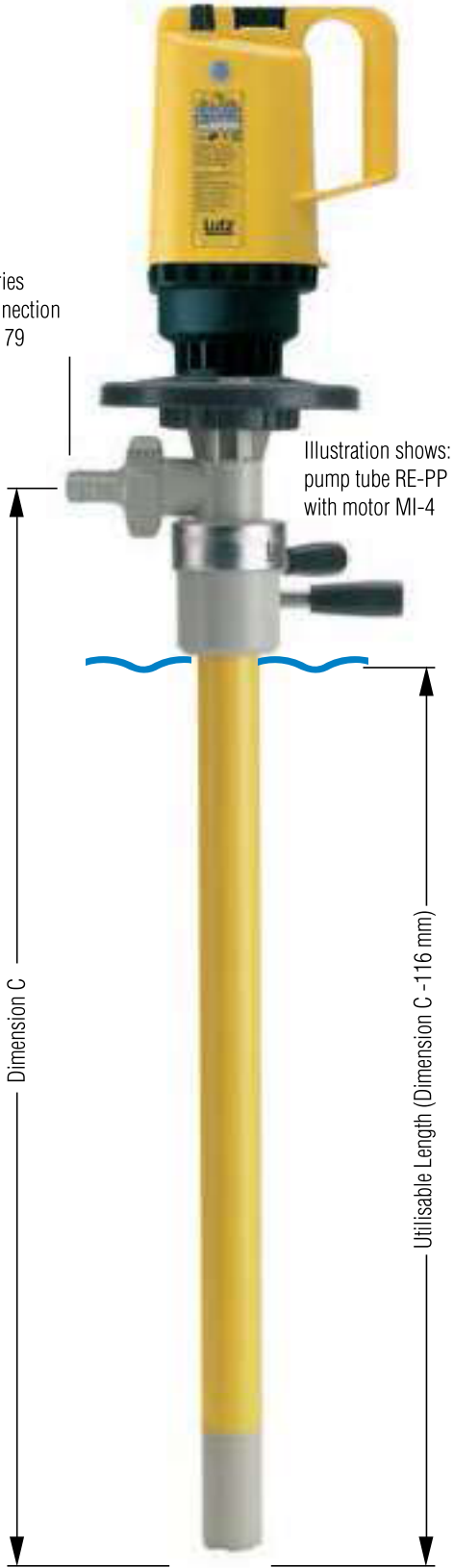
Version:	MS
Housing:	PP
Impeller:	PP
Sealing pot:	PP
Seals:	Viton®
Mechanical seals:	Carbon, Ceramic, Viton®, HC-4 (2.4610)
Bearing:	Pure Carbon
Drive shaft:	Stainless steel (1.4571)

Viton® is a registered trademark of DuPont Performance Elastomers.



Tip


Which pump for which liquid?
See resistance table !



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 RE-PP (polypropylene) for complete drum drainage of corrosive and neutral liquids

Productdetail	Pump tube	RE-PP MS	
	Type of impeller	L	
	Category 1 / 2 (acc. to ATEX)	no	
	Immersion tube diameter:	up to mm	41
	Temperature of medium:	up to °C	50
	Material:	Pump tube	PP
		Impeller	PP
	Hose connection:	Nominal diameter mm	19-32
		Outer thread	G 1 1/4
	Length: 700 mm*** shaft SS	Order No.	0103-020
	Length: 1000 mm*** shaft SS	Order No.	0103-021
Length: 1200 mm*** shaft SS	Order No.	0103-022	
Length: 700 mm*** shaft HC	Order No.	0103-040	
Length: 1000 mm*** shaft HC	Order No.	0103-041	
Length: 1200 mm*** shaft HC	Order No.	0103-042	

Choice of motors

Operating data


	MI-4	MI-4-E	Characteristic curve no.	600		
	-	with speed controller			Flow rate* up to l/min.	70
	Output: 500 W	500 W			Delivery head* up to m wc	12
	Voltage: 230 V	230 V			Viscosity** up to mPas	1000
					Density**** up to kg/dm³	1.6
Order No.	0030-000	0030-001	Weight (kg) Motor + pump tube	4.0		

	MA II 3		Characteristic curve no.	601		
	Output: 460 W	460 W			Flow rate* up to l/min.	60
	Voltage: 230 V	230 V			Delivery head* up to m wc	11
	LVR.: no	yes			Viscosity** up to mPas	800
					Density**** up to kg/dm³	1.7
Order No.	0060-000	0060-008	Weight (kg) Motor + pump tube	5.8		

	MA II 5	MA II 5	MA II 5 S	Characteristic curve no.	602		
	Output: 575 W	575 W	575 W			Flow rate* up to l/min.	60
	Voltage: 230 V	230 V	230 V			Delivery head* up to m wc	11.5
	LVR.: no	yes	no			Viscosity** up to mPas	1200
			acid-proof			Density**** up to kg/dm³	2.0
Order No.	0060-001	0060-009	0060-091	Weight (kg) Motor + pump tube	6.6		

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

	MA II 7		Characteristic curve no.	603		
	Output: 795 W	795 W			Flow rate* up to l/min.	69
	Voltage: 230 V	230 V			Delivery head* up to m wc	15
	LVR.: no	yes			Viscosity** up to mPas	1000
					Density**** up to kg/dm³	2.0
Order No.	0060-002	0060-010	Weight (kg) Motor + pump tube	7.8		

	MD-1	MD-2	Characteristic curve no.	604		
	Output: 400 W	400 W			Flow rate* up to l/min.	60
	Operating pressure: 6 bar	6 bar			Delivery head* up to m wc	12
					Viscosity** up to mPas	1000
					Density**** up to kg/dm³	2.0
Order No.	0004-087	0004-088	Weight (kg) Motor + pump tube	2.7		

* Determined with water at 20 °C *** 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.

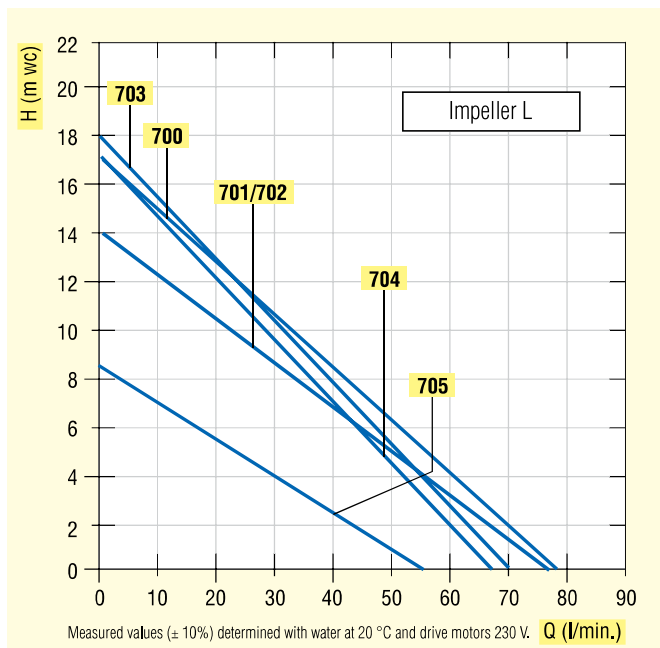
Pump Tube RE-SS (stainless steel)

for complete drum drainage of corrosive and neutral liquids

Materials (coming into contact with the pumped medium):

Version:	MS	MS PURE
Housing:	Stainless steel (1.4571)	Stainless steel (1.4571)
Impeller:	ETFE	PP
Verschlusstopf:	ETFE/Stainless steel (1.4571)	ETFE/Stainless steel (1.4571)
Seals:	FEP coated	EPDM
Mechanical seals:	Carbon, Ceramic, PTFE, HC-4 (2.4610), Stainless steel 1.4571)	Carbon, Ceramic, PTFE, HC-4 (2.4610), Stainless steel 1.4571)
Bearing:	Pure Carbon	Pure Carbon
Drive shaft:	Stainless steel (1.4571)	Stainless steel (1.4571)

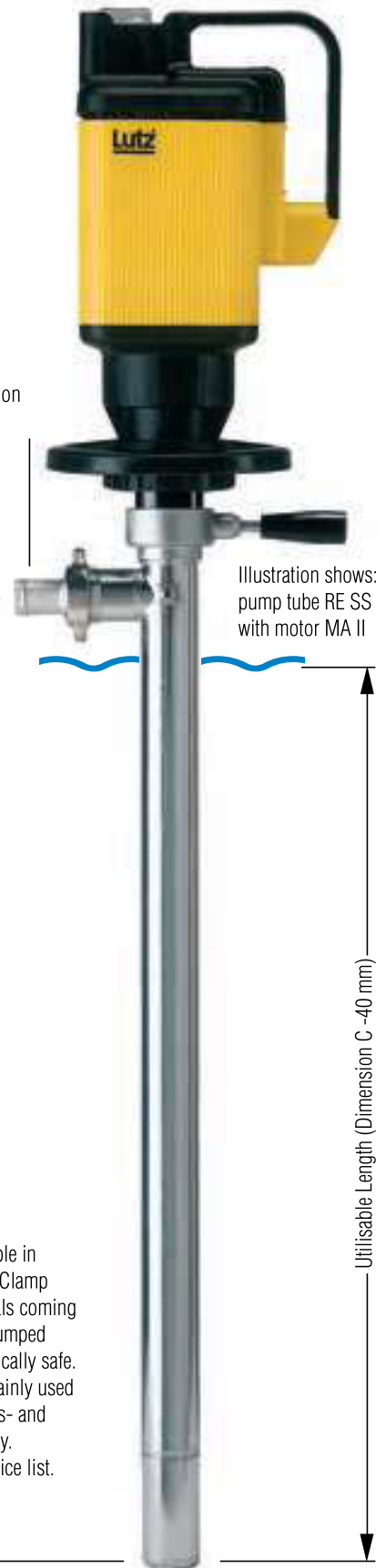
Viton® is a registered trademark of DuPont Performance Elastomers.



Complete drum drainage

Nearly completely drained.
Residual quantity < 0.10 litres.

Accessories
hose connection
see page 79








Pump tube also available in PURE version with Tri-Clamp connection. All materials coming into contact with the pumped medium are physiologically safe. The pump tubes are mainly used in the food-, cosmetics- and pharmaceutical industry. Additional costs see price list.

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 RE-SS (stainless steel) for complete drum drainage of corrosive and neutral liquids

Product detail	Pump tube	RE-SS MS			
	Type of impeller	L			
	Category 1 / 2 (acc. to ATEX)	yes			
	Immersion tube diameter:	up to mm	41		
	Temperature of medium:	up to °C	100		
	Material:	Pump tube Impeller	1.4571 ETFE		
	Hose connection:▲	Nominal diameter mm Outer thread	19-32 G 1 1/4		
	Length: 700 mm***	Order No.	0151-156		
Length: 1000 mm***	Order No.	0151-157			
Length: 1200 mm***	Order No.	0151-158			
Choice of motors		Operating data			
	MI-4	MI-4-E	Characteristic curve no. 700 Flow rate* up to l/min. 78 Delivery head* up to m wc 17 Viscosity** up to mPas 700 Density**** up to kg/dm³ 1.4 Weight (kg) Motor + pump tube 6.0		
	-	with speed controller			
	Output: 500 W	500 W			
	Voltage: 230 V	230 V			
Order No.	0030-000	0030-001			
	MA II 3		Characteristic curve no. 701 Flow rate* up to l/min. 77 Delivery head* up to m wc 14 Viscosity** up to mPas 500 Density**** up to kg/dm³ 1.6 Weight (kg) Motor + pump tube 7.8		
	Output: 460 W	460 W			
	Voltage: 230 V	230 V			
	LVR.: no	yes			
	Order No.	0060-000	0060-008		
	MA II 5		MA II 5	MA II 5 S	Characteristic curve no. 702 Flow rate* up to l/min. 77 Delivery head* up to m wc 14 Viscosity** up to mPas 900 Density**** up to kg/dm³ 1.8 Weight (kg) Motor + pump tube 8.6
	Output: 575 W	575 W	575 W		
	Voltage: 230 V	230 V	230 V		
	LVR.: no	yes	no acid-proof		
	Order No.	0060-001	0060-009	0060-091	
MA II 7				Characteristic curve no. 703 Flow rate* up to l/min. 70 Delivery head* up to m wc 18 Viscosity** up to mPas 700 Density**** up to kg/dm³ 1.9 Weight (kg) Motor + pump tube 9.8	
Output: 795 W	795 W				
Voltage: 230 V	230 V				
LVR.: no	yes				
Order No.	0060-002	0060-010			
	MD-1	MD-2	Characteristic curve no. 704 Flow rate* up to l/min. 68 Delivery head* up to m wc 17 Viscosity** up to mPas 700 Density**** up to kg/dm³ 1.8 Weight (kg) Motor + pump tube 4.7		
	Output: 400 W	400 W			
	Operating pressure: 6 bar	6 bar			
	Order No.	0004-087		0004-088	
	B4/GT		Characteristic curve no. 705 Flow rate* up to l/min. 55 Delivery head* up to m wc 8.5 Viscosity** up to mPas 600 Density**** up to kg/dm³ 2.2 Weight (kg) Motor + pump tube 14.0		
	Output: 750 W	750 W			
	Voltage: 230/400 V	230/400 V			
	Protection switch: no	yes			
	Order No.	0004+019		0004+067	

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

▲ PURE version
Tri-Clamp DN 32

* Determined with water at 20 °C *** 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.