

Pump Tubes MP for mixing and pumping

Multi talent: Lutz pump tube MP for mixing and pumping



**Simply double the reward:
Lutz pump tubes for mixing
and pumping**

Some fluids take offence at being kept on hold. They will simply sediment. We are referring to numerous emulsions, dispersions and suspensions used in industrial and trade environments. This is not due to their impatience but to the different weight of the individual ingredients. The Lutz MP can cater for two needs, since it combines a mixer and a pump in one unit and is thus the ideal solution for "critical relationships" of this kind.

Universally Applicable

"Mixer" and Pump in a single unit



immerse



mix/pump



pump

Desired turbulences

The special flow conditions in the container generated by the pump tube for mixing and pumping thoroughly remix and homogenize sedimented media – even in remote corners of the container bottom. In a flash, you will have a homogenized mix ready for further processing.

All the functions in one go

A construction comprising an immersion tube and a locking mechanism that has been tried and tested in practice provides for opening and closing of the mixing apertures. This proven design facilitates simultaneous mixing and pumping. Of course, it's your choice: With the discharge connection closed, you can also mix first and pump afterwards. The pump tube functions are conveniently controlled by devices outside the drum.

Take advantage of a wide range of capabilities

Lutz pump tubes for mixing and pumping are available in stainless steel or polypropylene to match all kinds of chemical resistance requirements. Combined with a wide range of motors, they are capable of meeting a vast number of demands with respect to mixing and pumping inhomogeneous, aggressive and easily inflammable fluids.

Perfect fit

Lutz pump tubes MP for mixing and pumping are compact, that is exactly why they make it big: They have no problems at all fitting through the standardised bung hole of a 200-l drum. Simply push it in, fasten it using a drum adapter – and off you go!

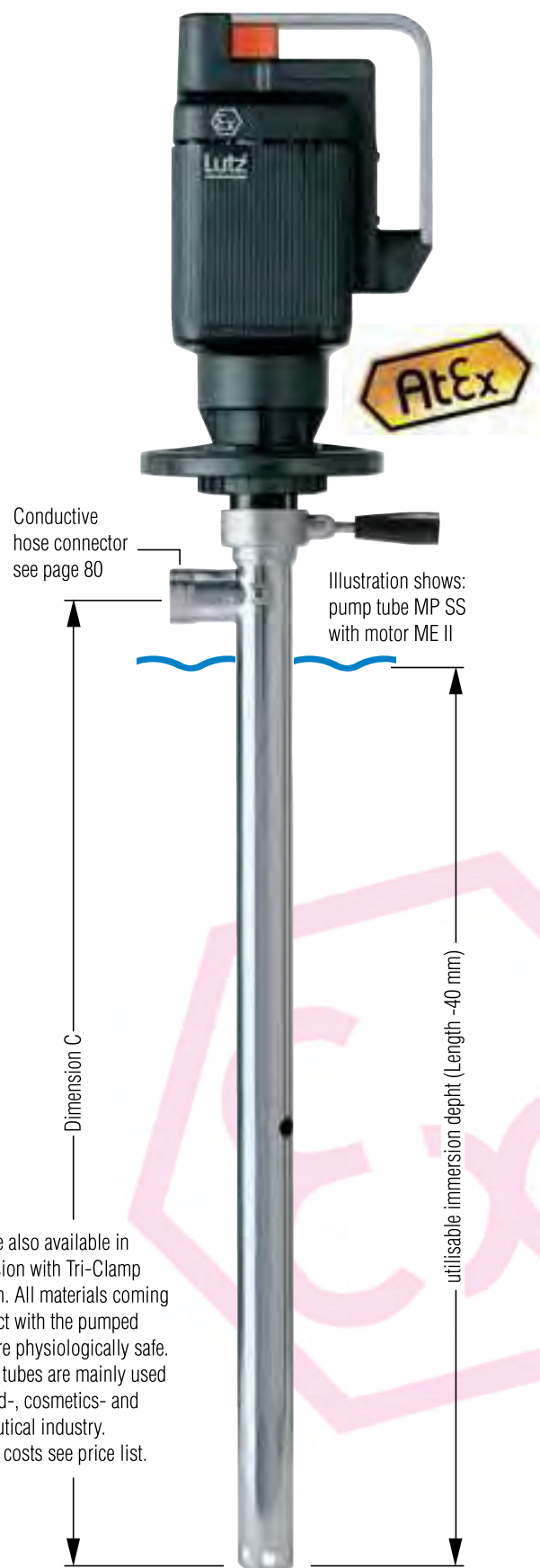
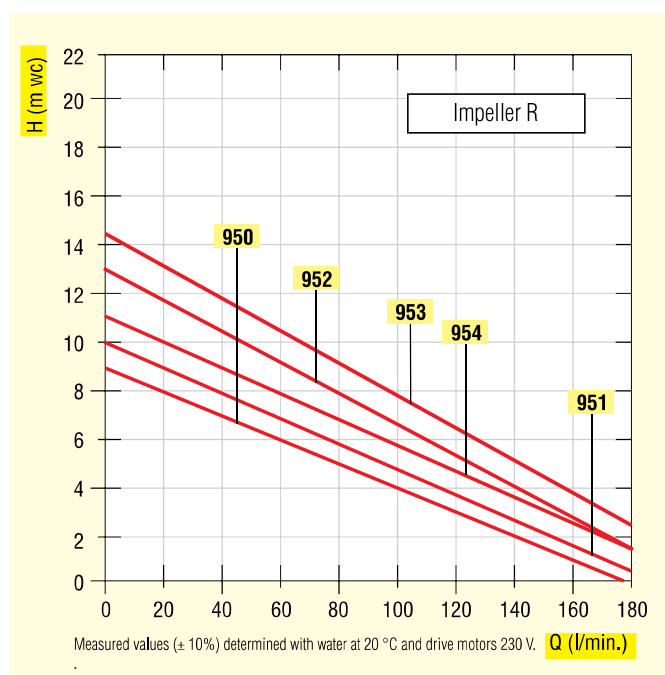
Pump Tube MP-SS (stainless steel)

for mixing and pumping of highly inflammable liquids

Materials (coming into contact with the pumped medium):

Version:	MS	MS PURE
Housing:	Stainless steel (1.4571)	Stainless steel (1.4571)
Impeller:	ETFE	ETFE
Seals:	Viton® (FEP coated)	Viton®
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.




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 MP-SS (stainless steel) for mixing and pumping of highly inflammable liquids

Productdetail		Pump tube	MP-SS MS	
	Type of impeller		R	
	Category 1 / 2 (acc. to ATEX)		yes	
	Immersion tube diameter:	up to mm	41	
	Temperature of medium:	up to °C	100	
	Material:	Pump tube	1.4571	
		Impeller	ETFE	
	Hose connection:▲	Nominal diameter mm	19-32	
		Outer thread	G 1 1/4	
	Length: 1000 mm***	Order No.	0151-240	
Length: 1200 mm***	Order No.	0151-255		

Choice of motors		Operating data		
 	ME II 3		Characteristic curve no.	950
	Output:	460 W 460 W	Flow rate* up to l/min.	178
	Voltage:	230 V 230 V	Delivery head* up to m wc	9
	LVR.:	yes no	Viscosity** up to mPas	200
	Order No. 0050-000 0050-016		Density**** up to kg/dm³	1.2
			Weight (kg) Motor + pump tube	9.0
	ME II 5		Characteristic curve no.	951
	Output:	580 W 580 W	Flow rate* up to l/min.	190
	Voltage:	230 V 230 V	Delivery head* up to m wc	10
	LVR.:	yes no	Viscosity** up to mPas	550
Order No. 0050-001 0050-017		Density**** up to kg/dm³	1.3	
		Weight (kg) Motor + pump tube	9.9	
	ME II 7		Characteristic curve no.	952
	Output:	795 W 795 W	Flow rate* up to l/min.	210
	Voltage:	230 V 230 V	Delivery head* up to m wc	13
	LVR.:	yes no	Viscosity** up to mPas	400
	Order No. 0050-002 0050-018		Density**** up to kg/dm³	1.4
			Weight (kg) Motor + pump tube	11.1
	ME II 8		Characteristic curve no.	953
	Output:	930 W 930 W	Flow rate* up to l/min.	216
	Voltage:	230 V 230 V	Delivery head* up to m wc	14.5
	LVR.:	yes no	Viscosity** up to mPas	650
Order No. 0050-042 0050-041		Density**** up to kg/dm³	1.4	
		Weight (kg) Motor + pump tube	11.1	

Low-voltage release (LVR.):
Prevents the pump from starting up again without warning after a power failure. In the hazardous location, motors with low-voltage release are absolutely predcribed.

 	MD-1 MD-2 MD-3			Characteristic curve no.	954
	Output:	400 W 400 W 400 W	Flow rate* up to l/min.	200	
	Operating pressure:	6 bar 6 bar 6 bar	Delivery head* up to m wc	11	
	Order No. 0004-087 0004-088 0004-090	Viscosity** up to mPas			400
		Density**** up to kg/dm³			1.3
		Weight (kg) Motor + pump tube			4.7

Low-voltage release (LVR.):

Prevents the pump from starting up again without warning after a power failure. In the hazardous location, motors with low-voltage release are absolutely prescribed.

▲ PURE version
Tri-Clamp DN 32

* Determined with water at 20 °C *** Special lengths
600–2500 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.