

# Lutz Aluminum Pump Tube

For neutral liquids

## Sealless (MSL) or with Mechanical Seal (MMS)

### Applications

The robust Lutz pump tube with mechanical seal or sealless is so designed that it can run dry; it is suitable for pumping non-aggressive, clean, thin-bodied and slightly viscous liquids out of drums and small or large containers.

The pump tube is non-lubricated, thus preventing contamination of the liquids pumped.

### Structure and function (MMS-ALU)

Lutz pump tubes are immersible centrifugal pumps.

The drive shaft of this pump tube is sealed by a single-acting mechanical seal (MS) and two shaft seals located behind it, making a robust sealing system.

The pump must not be allowed to run dry.

### Structure and function (MSL-ALU)

Lutz pump tubes are immersible centrifugal pumps.

The drive shaft of this pump tube is not sealed. The bearing housing unit above the impeller is designed to prevent pumped liquid from rising between the shaft and the inner tube. This device guides the liquid which penetrates between the drive shaft and the shaft bearing back into the container being drained.

### Length:

27", 39", 47"

Special length on request.



### Warning:

The drum and container pump **must not** be used for flammable liquids.

### Note:

Axial-flow rotor for high delivery rate and low delivery head. Radial-flow impeller for low delivery rate and high delivery head.



### Picture shows:

Pump tube with motor B 55 T / MA II 5

Type	MMS-ALU (Mechanical Seal)	MSL-ALU (Sealless)
<b>Wetted parts</b>		
Housing:	ALU, PVDF	Alu, PVDF
Seals:	Viton®	None
Mechanical seal:	Carbon, SiC, Viton®, Stainless Steel	None
Bearings:	PTFE	PTFE
Drive shaft:	Stainless Steel (316 Ti)	Stainless Steel (316 Ti)
Examples of liquids:	Thin-bodied and slightly viscous Mineral Oils, contaminated Oils, Cooling Lubricants, Vegetable Oils, Butylene Glycol, Diesel Fuel, Chlorodiphenyl, Fuel Oil, Ethereal Oils etc.	Thin-bodied and medium viscous Mineral Oils, Butylene Glycol, Diesel Fuel, Fuel Oil, Crude Oil, Phenol, Glycerine, Fatty Acid, Ethereal Oils, Linseed Oil, Paraffin Oil etc.
Type of impeller:	axial-flow rotor (R) or radial-flow impeller (L) Material: ETFE	axial-flow rotor (R) or radial-flow impeller (L) Material: ETFE

For performance information see page 6 & 7

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