

# Lutz MP Pump Tube in PP and Stainless Steel

## For mixing and pumping of emulsions and suspensions



### MP-PP / MP-SS Mechanical Seal

#### Applications

The Lutz mixing pump tube is designed to be used in any situation where it is necessary to mix and pump in a single operation.

The relatively small pump tube diameter of 50 mm (Polypropylene) and 41 mm (Stainless Steel) also makes the unit ideal for use in narrow-necked containers or in drums with a 2" bunghole.

The rate of flow, viscosity and density of the medium determine the mixing intensity and the delivery rate of the mixing pump tube. Experience has shown that the mixture quantity should preferably not exceed 55 Gallons if the medium is thin-bodied.

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 tube must not be allowed to run dry.

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



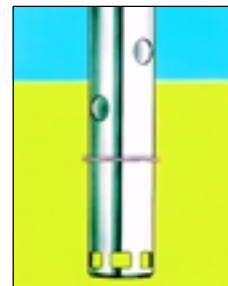
#### Warning:

The mixing pump tube in Polypropylene (PP) **must not** be used for flammable liquids.

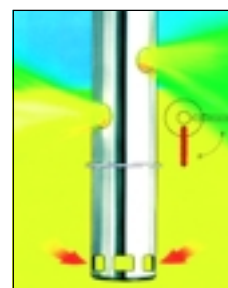


The mixing pump tube in Stainless Steel is "Zone 0" approved in combination with the original Lutz motors Silver Star / MD-1 / MD-2 in accordance with standards for use in hazardous locations.

#### Function



Immerse



Mix



Pump

#### For correct bonding and grounding see page 18.

Type	MP MS-PP (Mechanical Seal)	MP SL-PP (Sealless)	MP MS-SS (Mechanical Seal)
<b>Wetted parts</b>			
Housing:	PP	PP	Stainless Steel (316)
Seals:	–	–	FEP coated
Mechanical seal:	Ceramic, Viton, Stainless Steel, HC	–	Ceramic, PTFE, Stainless Steel
Bearings:	PTFE	PTFE	Carbon
Drive shaft:	Stainless Steel (316)	HC-4 (2.4610) optional Stainless Steel (316)	Stainless Steel (316)
<b>Examples of liquids:</b>	Chemical, pharmaceutical and metalworking industries, in food production, in printing works, in car repair workshops and in painting/decorating firms.		
<b>Type of impeller:</b>	radial-flow (L) Material: PP	radial-flow (L) Material: PP	axial-flow (rotor) Material: ETFE

#### Immersion depths:

39", 47"  
Special immersion depths on request.

**For more details request literature MP (Ref. no. 9000-144)**