

# Lutz PVDF Pump Tube

## For concentrated liquids



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

#### Applications

The robust Lutz pump tube with mechanical seal or sealless is suitable for pumping clean and dirty, thin-bodied and slightly viscous, aggressive and non-aggressive 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-PVDF)

Lutz pump tubes are immersible centrifugal pumps. The drive shaft of this pump tube is sealed by a single-acting mechanical seal (MS). The patented mechanical seal is integral with the lower bearing housing. This position guarantees the best operating conditions and ensures the long service life of the mechanical seal. The pump must not be allowed to run dry.

#### Structure and function (MSL-PVDF)

Lutz pump tubes are immersible centrifugal pumps. The drive shaft of this pump tube is not sealed. The bearing housing unit behind 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.

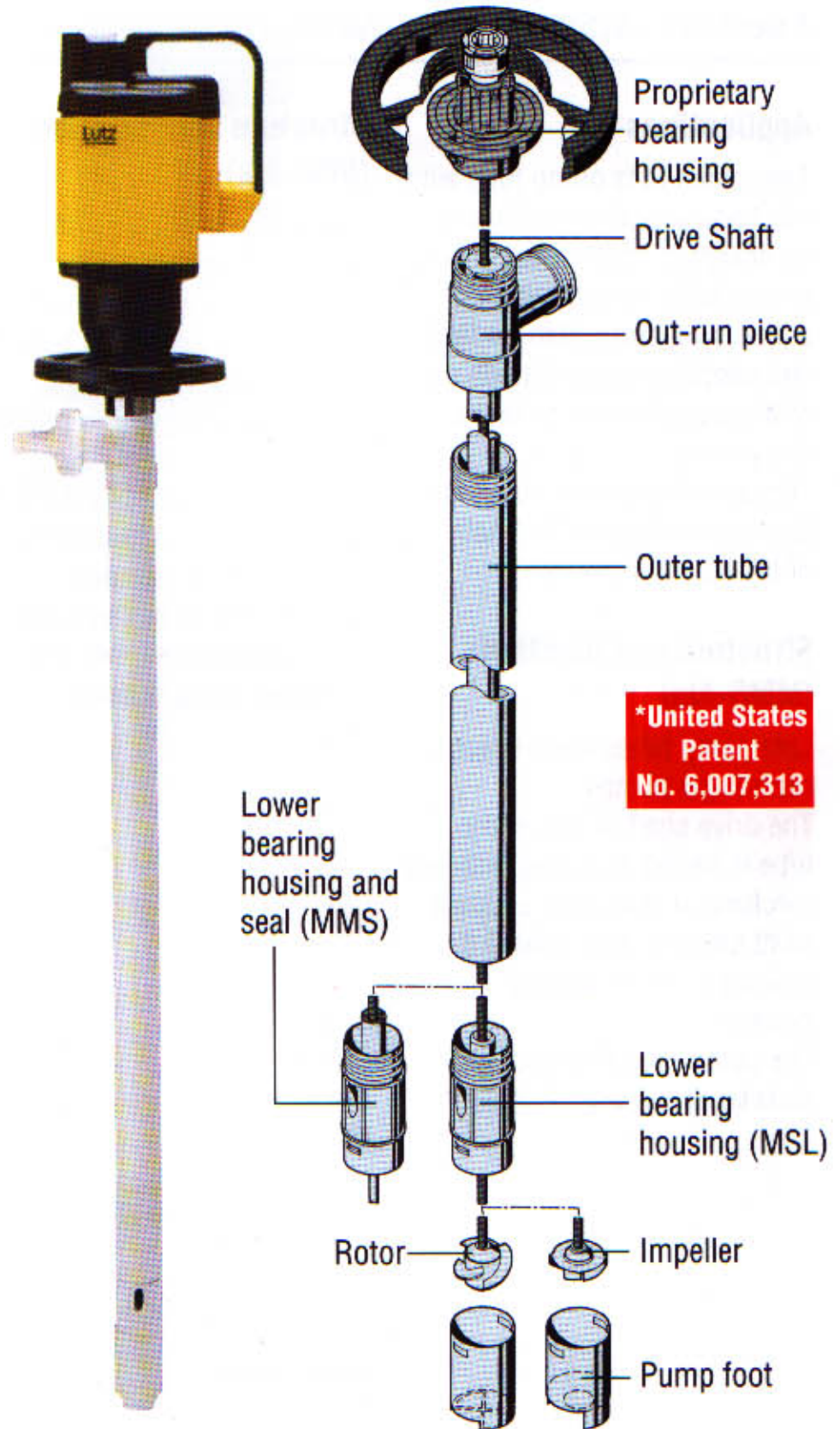


#### Warning:

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

#### Picture shows:

Pump tube with motor B 55 T / MA II 5.



Type	MMS-PVDF (Mechanical Seal)	MSL-PVDF (Sealless)
<b>Wetted parts</b>		
Housing:	PVDF	PVDF
Mechanical seal:	Carbon, SiC, Viton, HC-4 (2.4610)	None
Bearings:	PTFE	PTFE
Drive shaft:	HC-4 (2.4610)	HC-4 (2.4610)
<b>Examples of liquids:</b>	Highly concentrated Acids and Alkalis, Ethyl Chloride, Chloroform, Chromic Acid, Phosphoric Acid 95%, Perchloric Acid, Sulphuric Acid, Chlorine Water etc.	Highly concentrated Acids and Alkalis, Bromic Acid, Hydrobromic Acid, Chloroform, Dimethyl Phthalate, Hydrofluoric Acid, Potassium Bromate, Sodium Perchlorate, Phosphoric Acid 95%, Nitric Acid etc.
<b>Type of impeller:</b>	axial-flow (rotor) or radial-flow (L) Material: ETFE	axial-flow (rotor) or radial-flow (L) Material: ETFE

#### Immersion depths:

27", 39", 47"  
Special immersion depths on request.

#### Note:

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