# Lutz Drum and Container Pumps
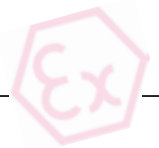
Pump tube MP-SS (stainless steel) for mixing and pumping of highly flammable liquids

| Productdetail | Pump tube | | MP-SS GLRD |
|---|---|---|---|
| | Type of impeller: | | Rotor |
| | 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 |
| | | Rotor | ETFE |
| | Hose connection: | Nominal diameter mm | 19-32 |
| | | Outer thread | G 1 1/4 |
| | Length: 1000 mm*** | Order No. | **0151-240** |
| | Length: 1225 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 mWS | 9 |
| LVR.: | yes | no | Viscosity** up to mPas | 200 |
| | | | Density:**** up to kg/dm³ | 1.2 |
| Order No. | **0050-000** | **0050-016** | 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 mWS | 10 |
| LVR.: | yes | no | Viscosity** up to mPas | 550 |
| | | | Density:**** up to kg/dm³ | 1.3 |
| Order No. | **0050-001** | **0050-017** | 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 mWS | 13 |
| LVR.: | yes | no | Viscosity** up to mPas | 400 |
| | | | Density:**** up to kg/dm³ | 1.4 |
| Order No. | **0050-002** | **0050-018** | 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 mWS | 14.5 |
| LVR.: | yes | no | Viscosity** up to mPas | 650 |
| | | | Density:**** up to kg/dm³ | 1.4 |
| Order No. | **0050-042** | **0050-041** | Weight (kg) Motor + pump tube | 11.1 |
| **MD1xL** | **MD2xL** | | Characteristic curve no. | 954 |
| Output: | 1000 W | 1000 W | Flow rate* up to l/min. | 245 |
| Operating | | | Delivery head* up to mWS | 21 |
| pressure: | 6 bar | 6 bar | Viscosity** up to mPas | 1000 |
| | | | Density:**** up to kg/dm³ | 2.8 |
| Order No. | **0004-725** | **0004-735** | Weight (kg) Motor + pump tube | 4.6 |

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.

\* Determined with water at 20 °C     \*\*\*Special lengths     \*\*\*\*Determined with 3 m hose 3/4" and open nozzle 3/4".     Special voltages and
\*\*Determined with oil     600–2500 mm on request     Higher densities possible for shorter operating periods.     frequencies on request.
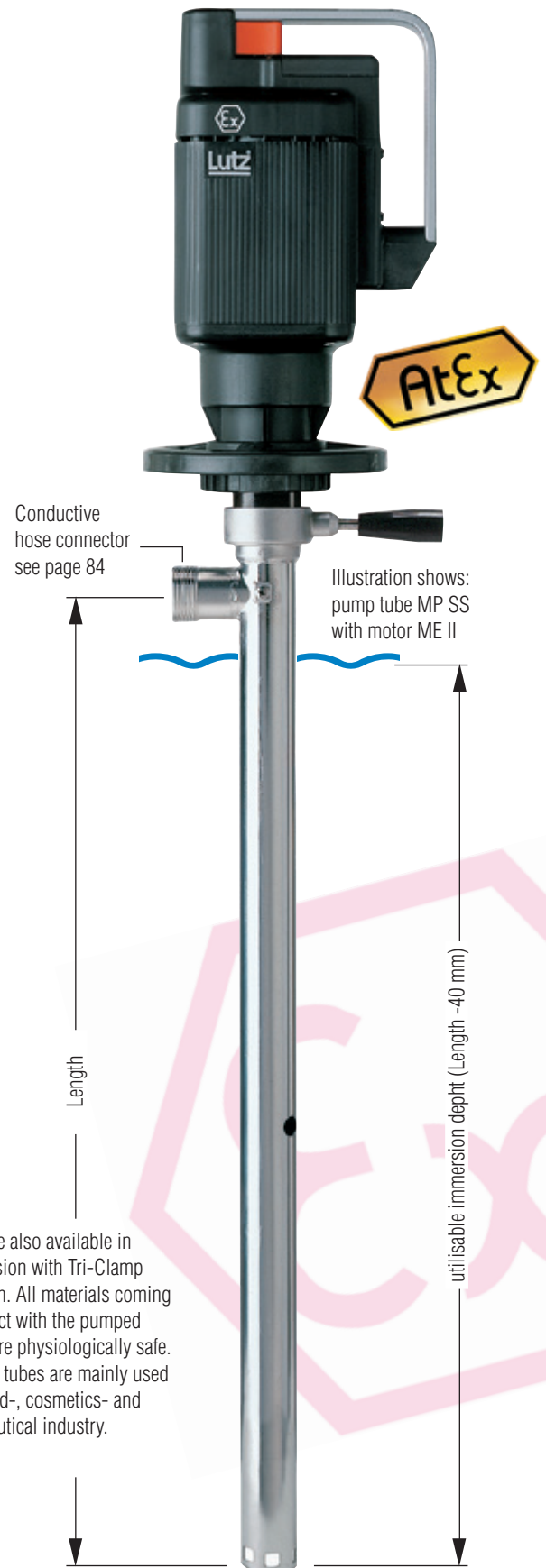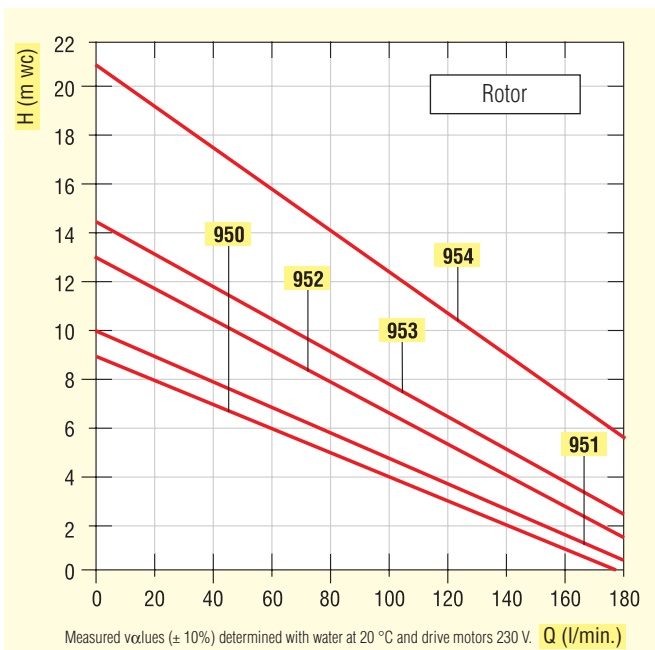
# Pump Tube MP-SS (stainless steel)

## for mixing and pumping of highly flammable liquids

**Materials** (coming into contact with the pumped medium):

| Version: | MS | MS PURE |
|---|---|---|
| Housing: | Stainless steel (1.4571) | Stainless steel (1.4571) |
| Rotor: | ETFE | ETFE |
| Seals: | FPM (FEP coated) | FPM |
| 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) |



Rotor

950
952
953
954
951

H (m wc)

Q (l/min.)

Measured values (± 10%) determined with water at 20 °C and drive motors 230 V.



Conductive hose connector see page 84

Illustration shows: pump tube MP SS with motor ME II

Length

utilisable immersion depht (Length –40 mm)

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.

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.

Suitable range of accessories see pages 80-96