Lutz ME I 6 Silverstar

Six times unique!

1. Solid power
Unique: Extremely rigid aluminium casing, robust high-powered motor. Approved for explosion class I, groups C and D and class II, groups F and G.

2. Easy to handle
Unique: Integral handle, weight distribution optimized for ease of handling.

3. Certified safety
Unique: Twofold North American safety certification: UL (USA) and cUL (Canada) for absolute safety and peace of mind.

4. Highly reliable
Unique: Additional dust protection for use in dusty environments. Fail-safe operation even under the toughest conditions.

5. Always the right “feeling”
Unique: Electronic speed control to consistently ensure the right flow rate. Extra benefits: Additional safety, lower operating costs, reduced noise levels and longer operating life.

6. Technically perfect
Unique: Maintenance-free printed circuit board technology. Elimination of weak points by design, e.g. between handle and casing. Dynamically balanced rotor for quiet running and longer life.

<table>
<thead>
<tr>
<th>Type</th>
<th>Power</th>
<th>Frequency</th>
<th>Voltage</th>
<th>Weight</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME I 6</td>
<td>640 W</td>
<td>60 Hz</td>
<td>120 V</td>
<td>14.3 lbs</td>
<td>0040-200</td>
</tr>
</tbody>
</table>

**Lutz Explosion-Proof ME I 6 - 120 motor for drum and container pumps**
Universal motor 120 V, 60 Hz, power input 640 W, power output 0.5 hp. The driving motor has separate on/off buttons. The Silverstar is equipped with low voltage release. This prevents automatic restart after an interruption of the electrical supply. Explosion-proof in accordance with protection class I, groups C and D and class II, groups F and G. The motor is supplied with 16 ft. power cable. Optional remote operating kit available.

**Safety notice (Ex)**
When pumping flammable liquids

- Before starting operation, the pump tube and container must be bonded and grounded.
- Use Lutz Silverstar motor only in combination with Zone 0 pump tubes made of stainless steel or Hastelloy C.
- An explosion-proof plug must be used.
- Use conductive hoses.

Dimensions in inches
More value for your money ...

The Lutz Silverstar with speed control and separate ON/OFF switches for safety and ease of handling.

**Always in control:**
**Lutz remote operating kit**
The Lutz remote operating kit enables the Lutz Silverstar to be operated remotely through a flow meter with relay module. To start the motor, the remote operating kit bridges the low voltage release. For UL approval of this option, Lutz Silverstar had to pass a series of highly stringent tests: A certification that could only be achieved by a motor of the highest quality.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Function</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL/cUL approval</td>
<td>Safety confirmation</td>
<td>Peace of mind</td>
</tr>
<tr>
<td>Dust protection</td>
<td>Safeguards internal elements</td>
<td>No external ingress</td>
</tr>
<tr>
<td>Solid cast housing</td>
<td>Strength and integrity</td>
<td>Exceptional durability</td>
</tr>
<tr>
<td>Speed controller</td>
<td>Speed reduction</td>
<td>Controlled pumping</td>
</tr>
<tr>
<td>Compact dimensions and weight optimization</td>
<td>Portability</td>
<td>Ease of handling</td>
</tr>
<tr>
<td>Low voltage release</td>
<td>Safety device</td>
<td>Operator protection</td>
</tr>
<tr>
<td>Separate ON/OFF buttons</td>
<td>Trouble free operation</td>
<td>Ease of handling</td>
</tr>
<tr>
<td>Dynamically balanced rotor</td>
<td>Reliability</td>
<td>Increased brush life</td>
</tr>
<tr>
<td>Temperature protection</td>
<td>Thermal overload protection</td>
<td>Durability</td>
</tr>
<tr>
<td>Enhanced circuitry</td>
<td>Printed circuit board design</td>
<td>No maintenance</td>
</tr>
<tr>
<td>Remote facility</td>
<td>Remote operation</td>
<td>Remote control</td>
</tr>
</tbody>
</table>

Application features typical installation for operation in hazardous locations.
Lutz ME I 6 Silverstar

Explosion-proof pump tubes

**Lutz stainless steel or Hastelloy C pump tube**
Robust, for extreme applications. Suitable for pumping nearly all kinds of liquids, including flammable and/or extremely aggressive media.

**Lutz stainless steel, residual-free drainage pump tube**
RE 88: For greater safety, savings and less wasted product. Recommended wherever drums have to be completely emptied.

**Lutz stainless steel mixing pump tube**
For mixing, homogenization, pumping of emulsions, dispersions and suspensions in hazardous locations.

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**Accessories when using explosion-proof pumps in hazardous locations**
Explosion-proof plug and socket outlets, bonding and grounding cables, conductive hoses and nozzles in stainless steel.

**Additional accessories:**
Fume barrier, explosion-proof flow meter, stainless steel drum adapter, stainless steel foot strainer and wall bracket.

**Universal applications in hazardous locations**
Lutz Silverstar is your best partner when it comes to safety, productivity and performance. It is extremely well-suited for use with most thin-bodied, lightly viscous and flammable liquids. Main industries: Chemical, petrochemical, pharmaceutical, paint and varnish, processing and electroplating.

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**Lutz – more than 45 years experience in the North American market**
Lutz is the leader in high-tech drum pump technology worldwide and the no. 1 in North America, where we have been providing solutions for more than 45 years. One of our specialties is the development and manufacture of explosion-proof drum pump systems for hazardous locations. With over four decades of experience and continuous innovation, Lutz has achieved an unparalleled know-how in the industry. Lutz’ close cooperation with their American customers and the UL has been the basis for the satisfaction for the requirements of the most demanding market in the world.

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**Measured values (± 10%) determined with free suction inlet and water at 68°F.**
Lutz Progressive Cavity Pump B70V-SR

Smooth pumping of highly viscous liquids

Applications
For applications in the food, pharmaceutical and cosmetics industries no special shaft joint protection is needed.

Pump Tubes
Multiple pump tubes with various flow rates and lengths are available for the Lutz B70V-SR. The speed reducer is mounted directly on the pump tube. This reduces the relatively high speeds of the universal or compressed-air motors to a suitable speed of around 690 rpm. Pump tube, drive shaft and eccentric screw are made of Stainless Steel (316 Ti).

Do not run dry or against closed valve.

Tube diameter: 2.12"
Length: 39.4" or 43.3"

Drive Motors
A variety of electric and compressed-air motors are available. (see page 4)

Operating Data
Quantity: up to 13 GPM
Delivery head: up to 200 FT (87 PSI)
Temperature of medium: up to 284 °F
Viscosity: up to 50,000 cps (with MD-2 air motor)

Accessories
Bypass valves, hoses, hose clips, dosing devices, electronic flow meters, batch dosing appliance with time control and other accessories are available on request.

Pump tube also available in FDA/PURE version with Tri-Clamp connection. All materials coming into contact with the pumped medium are physiologically safe. These pump tubes are mainly used in the food, cosmetics and pharmaceutical industries.
Lutz: The best choice for hazardous locations

 Dimensions in inches

<table>
<thead>
<tr>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>H</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>usable length</td>
<td>Ø</td>
<td>Ø</td>
<td></td>
<td></td>
</tr>
<tr>
<td>27”</td>
<td>39”</td>
<td>47”</td>
<td>63”</td>
<td>27”</td>
<td>35”</td>
<td>39”</td>
</tr>
<tr>
<td>MMS SS</td>
<td>14.8</td>
<td>27.6</td>
<td>39.4</td>
<td>47.2</td>
<td>26.0</td>
<td>37.8</td>
</tr>
<tr>
<td>MSL SS</td>
<td>14.8</td>
<td>27.6</td>
<td>39.4</td>
<td>47.2</td>
<td>62.4</td>
<td>37.8</td>
</tr>
<tr>
<td>Hastelloy C</td>
<td>15.1</td>
<td>28.0</td>
<td>39.2</td>
<td>47</td>
<td>26.4</td>
<td>34.3</td>
</tr>
<tr>
<td>RE 88 SS</td>
<td>15.8</td>
<td>26.8</td>
<td>38.6</td>
<td>46.5</td>
<td>25.2</td>
<td>37.0</td>
</tr>
<tr>
<td>MP SS</td>
<td>15.8</td>
<td>–</td>
<td>38.5</td>
<td>–</td>
<td>–</td>
<td>36.9</td>
</tr>
</tbody>
</table>

**Motor**

<table>
<thead>
<tr>
<th>Silverstar ME I 6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Quantity</strong></td>
</tr>
<tr>
<td><strong>Delivery head</strong></td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
</tr>
<tr>
<td><strong>Spec. gravity</strong></td>
</tr>
<tr>
<td><strong>Weight lbs.</strong></td>
</tr>
</tbody>
</table>

**MMS-SS 41 R**

| **Quantity** | Up to GPM | 27.3 |
| **Delivery head** | Up to FT | 54 |
| **Viscosity** | Up to cps | 600 |
| **Spec. gravity** | Up to | 1.7 |
| **Weight lbs.** | Motor + pump tube | 21 |

**MSL-SS 41 R**

| **Quantity** | Up to GPM | 27.3 |
| **Delivery head** | Up to FT | 54 |
| **Viscosity** | Up to cps | 600 |
| **Spec. gravity** | Up to | 1.7 |
| **Weight lbs.** | Motor + pump tube | 21 |

**Hastelloy C**

| **Quantity** | Up to GPM | 26.5 |
| **Delivery head** | Up to FT | 31 |
| **Viscosity** | Up to cps | 250 |
| **Spec. gravity** | Up to | 1.7 |
| **Weight lbs.** | Motor + pump tube | 21 |

**RE 88 SS**

| **Quantity** | Up to GPM | 18.5 |
| **Delivery head** | Up to FT | 49 |
| **Viscosity** | Up to cps | 1000 |
| **Spec. gravity** | Up to | 1.7 |
| **Weight lbs.** | Motor + pump tube | 21 |

**Mixing Pump SS**

| **Quantity** | Up to GPM | 47 |
| **Delivery head** | Up to FT | 38 |
| **Viscosity** | Up to cps | 300 |
| **Spec. gravity** | Up to | 1.3 |
| **Weight lbs.** | Motor + pump tube | 21 |

* Determined with water at 68 °F.

** Determined with oil.

Max. spec. gravity for sustained filling periods (> 10 min.)

Higher densities possible for shorter operating periods.

† Approx. weight depending on length of pump tube used.
Twice the competence, simply unique

Professional Fluid Management

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- Drum and container pumps
- Eccentric screw drum pumps
- Flow meter systems
- Air operated double diaphragm pumps
- Vertical and horizontal centrifugal pumps

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