Long-term durability pump for highly abrasive and corrosive materials – increased uptime and reduced maintenance boost your productivity

UP165 HD
Boost your productivity with higher longevity

With the high durability of the UP165 HD you no longer need to stress over abrasive and corrosive materials wearing out your equipment. This heavy-duty pump effectively drives uptime and reduces maintenance efforts.

With the increasing use of adhesives, sealants and thermal compounds across many industries, new liquid materials are constantly being developed and refined. For many applications, these liquids are enriched with filler particles – non-soluble particles that enhance certain properties of the joint, sealing, thermal conduction or dampening layer. These materials are often abrasive and sometimes also corrosive. With the UP165 HD, we have developed a new pump generation that handles even the most challenging materials with highest productivity.

Benefits

• Long-term durability increased up to factor 30* (compared to standard UP165)
• Less wear and less maintenance effort
• Reduced performance loss and reduced unexpected downtime
• Easy to upgrade existing systems from standard UP165 to HD version
• Heavy-duty seal sets
• Carbide valve seats
• Flow optimized inner geometries
• Patented combination of ball and shuffle pump

*depending on material properties, production requirements and surrounding conditions

Features

- Easy to upgrade existing systems from standard UP165 to HD version
- Heavy-duty seal sets
- Carbide valve seats
- Flow optimized inner geometries
- Patented combination of ball and shuffle pump

Features

- Aluminum housing: Best choice for gap filler applications in battery manufacturing
  
  Liquids designed for high thermal conductivity are typically used in the electronics industry and in battery assembly for electric vehicles to ensure that the components operate under ideal temperatures. This ensures the product’s performance and long lifetimes.
  
  The UP165 HD with aluminum housing is the perfect choice for adhesives filled with abrasive filler materials such as aluminum oxide and for adhesives which do not chemically react with steel or aluminum.

- Stainless steel housing: Best choice for liquid applied sound dampening
  
  To enhance the acoustic environment in the car, certain areas are covered with a layer of liquid applied sound dampening (LASD) material. This reduces the noise caused by vibrations and the engine when driving. For this process, water-based acrylates or materials with highly abrasive filler particles are used.
  
  The robust UP165 HD with stainless steel housing reliably supplies these demanding materials at the right flow rates. This ensures a continuously running process without any compromises.

Comprehensive support for your ideal system set-up

To achieve a high-quality result and a long lifetime of the equipment, the system needs to be optimally configured. Our experts help you determine the best pump size/performance according to your specific process and quality requirements.

Aluminum housing: Best choice for gap filler applications in battery manufacturing

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Stainless steel housing: Best choice for liquid applied sound dampening

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Ordering number and specifications

<table>
<thead>
<tr>
<th>Product</th>
<th>Body construction</th>
<th>Volume per double stroke</th>
<th>Max. working pressure</th>
<th>Max. heating temperature</th>
<th>Ordering number</th>
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<tbody>
<tr>
<td>UP165 HD</td>
<td>Stainless steel</td>
<td>165 cm³</td>
<td>330 bar</td>
<td>80°C</td>
<td>86550.000039</td>
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<tr>
<td>UP165 HD</td>
<td>Aluminum</td>
<td>165 cm³</td>
<td>330 bar</td>
<td>80°C</td>
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</tr>
</tbody>
</table>

Our service: Easy repair with full cost control

Your benefits:
- Fixed prices
- Original spare parts
- High-quality original manufacturer repair
- Equipment test
- 6-month warranty
- Express repair option: Ready after 5 working days

Additional services:
- Start-up services
- Field service on demand
- Optimization
- Consulting/training
- Support desk

Our repair offering:
Lower your total cost of ownership

Servicing system components on-site can be complex and time consuming. We offer high-quality repairs with original spare parts and a six-month warranty. Our certified technicians are well educated in product repairs to ensure the best quality. All service tests include detailed reports for your business needs.

Learn more about gap filler applications for battery manufacturing in our video

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