UP165 HD

Longterm durability pump for highly abrasive and corrosive media

Atlas Copco
High productivity in dispensing challenging materials

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

With the increasing applicability of adhesives across many industries and manufacturing processes, new liquid materials are constantly being developed and refined. For many applications, these liquids are enriched with filler particles – non-soluble particles which enhance certain properties of the joint, sealing, thermal conduction or dampening layer.

However, many of these additives are challenging to pump and dispense as they are often abrasive and sometimes also corrosive.

Benefits
- Long term durability increased up to factor 3 (compared to standard UP165)
- Reduced maintenance effort
- Eliminates common pains such as - Early loss in performance - Unpredicted downtime

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

Applications
1. Battery assembly process
   Liquids designed for high thermal conductivity are typically used in electronics and battery assembly for electric vehicles to ensure that the components operate under ideal temperatures. This ensures a good product performance and long lifetimes.
   Material properties
   - High viscosity adhesives
   - Al₂O₃ and AlN filler particles

2. Liquid applied sound dampening process
   To enhance the acoustic driving environment in the car, specific areas are stiffened with a layer of sound dampening material. This adhesive reduces the noise caused by vibrations and by the drivetrain when driving. However, the materials required for this process are demanding and the process relies on stainless steel components for the right flow rate.
   Material properties
   - Corrosive water based acrylates
   - Quartz based filler particles

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Contact us at ias.service-solutions@atlascontec.com

A sound and long lasting investment
## Ordering numbers 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>Rec. material supply rate</th>
<th>Ordering no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UP165 HD</td>
<td>Stainless Steel</td>
<td>165 cm³</td>
<td>330 bar</td>
<td>80°</td>
<td>up to 2l/min</td>
<td>TBD</td>
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</tbody>
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