High pressure pumps for machine coolants
The system for better economy and productivity

- Automatic pressure and flow adjustment
- The electrically driven pumps are fitted with a frequency converter to match the flow rate and pressure to the tool being used
- Programmed from the machine tool control M-codes

- The coolant filter modules with differential pressure indicators (dirty filter alarm) consist of 4 or 6 stainless steel filters with replaceable textile filter inserts of 5 or 1 micron according to the coolant used.

  Filters can be switched during operation and only need changing once per week depending on the degree of contamination.

- Self monitoring automatic system
- Fully wired for final connection

Optional:
- Sound damped cover
- Changeover valves for multiple machines from one control pump module
High pressure pumps for machine coolants

**Advantages**
- The cooling effect and dynamic forces provide goods controlled chip breakage
- Improved surface quality
- Increased production
- Improved drilling performance even at only 600 – 1,000 PSI
- Extended tool life
- Reduction of machine hours

**Rotary joints**
- Labyrinth sealing for long life
- Operating pressures up to 14,500 PSI
- Rotary speeds up to 4000 r.p.m.

**High pressure pumps**

<table>
<thead>
<tr>
<th>Pump type</th>
<th>Operating pressure</th>
<th>Flow rate</th>
<th>Power rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDP 22</td>
<td>20 – 1000 bar</td>
<td>9 - 120 l/min.</td>
<td>20 kW</td>
</tr>
<tr>
<td></td>
<td>300 – 14,500 PSI</td>
<td>2.4 - 32 GPM</td>
<td>27 HP</td>
</tr>
<tr>
<td>HDP 42</td>
<td>20 – 1000 bar</td>
<td>20 - 120 l/min.</td>
<td>40 kW</td>
</tr>
<tr>
<td></td>
<td>300 – 14,500 PSI</td>
<td>5.3 - 32 GPM</td>
<td>54 HP</td>
</tr>
<tr>
<td>HDP 72</td>
<td>20 – 1000 bar</td>
<td>30 - 250 l/min.</td>
<td>70 kW</td>
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<tr>
<td></td>
<td>300 – 14,500 PSI</td>
<td>7.9 - 66 GPM</td>
<td>95 HP</td>
</tr>
<tr>
<td>HDP 122</td>
<td>20 – 1000 bar</td>
<td>60 - 350 l/min.</td>
<td>120 kW</td>
</tr>
<tr>
<td></td>
<td>300 – 14,500 PSI</td>
<td>15.8 - 92 GPM</td>
<td>163 HP</td>
</tr>
</tbody>
</table>