High Pressure Pump Units

AQUAJET® 80 • S 1600-80 • S 1100-80

The high performance unit for the toughest demands

- High performance reserve
- Sturdy industrial engine
- Other versions
- High flow rates
- Safe operation
- Application systems
The endurance runner in top quality

- Long lifetime of all high pressure components ensured by optimal valve and sealing technology, use of top quality materials and precise series production with most modern machines
- Long lasting corrosion resistance of the fluid end
- High operational reliability and long maintenance intervals through the hermetical sealing of the gear end by means of the patented bellows sealing system
- Leakage free pump thanks to the arrangement of all pressurised high pressure components inside the pump housing
- Significant operating cost advantage thanks to the crank section with pressurised lubrication system which is designed for at least 25,000 operating hours under full load
- High reliability in continuous duty due to the performance reserves of high pressure pump, drive engine and all components

Energy savings through high efficiency

- High efficiency. The Aquajet ultra high pressure pump converts 95 % of the shaft power into hydraulic energy
- Very smooth running due to low speed at maximum performance
- Low diesel consumption due to modern engines

Safe operation

- Everything under control. Monitoring, control and nozzle calculation via the Hammelmann ES3 control unit. Intuitive navigation in many languages. All important operating data at a glance
- Easy set-up due to easily accessible supply and high pressure connections

Sturdy industrial engine

- Economical industrial engines in accordance with the current exhaust emission certification stage 5
- Powerful diesel unit with real 800 kW pump performance

High mobility

- Low noise pump unit due to super soundproofing ≤ 75 dB(A) at a distance of 7 m ≤ 86 dB(A) at a distance of 1 m
- Environmentally safe operation due to totally enclosed aluminium bottom tray
- Large fuel reserve. Minimum of 8 hours operation possible due to the large internal fuel tank

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>Plunger Ø</th>
<th>Operating pressure</th>
<th>Flow rate</th>
<th>Engine power</th>
<th>Pump power</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQUAJET 80</td>
<td>28 mm</td>
<td>3000 bar</td>
<td>129 l/min</td>
<td>up to 8.39 kW</td>
<td>800 kW</td>
</tr>
<tr>
<td></td>
<td>35 mm</td>
<td>2100 bar</td>
<td>203 l/min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S 1600-80</td>
<td>40 mm</td>
<td>1570 bar</td>
<td>277 l/min</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>45 mm</td>
<td>1240 bar</td>
<td>353 l/min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S 1100-80</td>
<td>50 mm</td>
<td>1000 bar</td>
<td>437 l/min</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fields of application

Exemplary ranges of application for the Aquajet 80 performance class.

- 3D tank cleaning unit
- Concrete rehabilitation
- Pipe cleaning
- 25'-Container

Stationary unit with diesel engine
Industrial high pressure application systems
Hammelmann high pressure pump units can be used with a wide range of water tools

Hammelmann service worldwide
Subsidiaries in USA, China, Australia, Brazil, Spain, France, Switzerland and 40 agents and distributors worldwide.