High Pressure Pump Units
AQUAJET® 14 • S 1600-14 • S 1100-14

The endurance runners at particularly favourable operating costs

- High energy savings
- Sturdy industrial engine
- Safe operation
- High mobility
- Other versions
- Application systems
The endurance runner in top quality

- Long lifetime of all high pressure components due to 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 4
- Ample power reserves: 160 kW engines for real 140 kW pump performance

High mobility

- Low noise pump unit due to super soundproofing ≤ 75 dB(A) at a distance of 7 m ≤ 84 dB(A) at a distance of 1 m
- Environmentally safe operation due to totally enclosed bottom tray made of aluminium
- Large fuel reserve. Minimum of 8 hours operation possible due to the large internal fuel tank
- High quality tandem chassis with overrun brake. Chassis is completely galvanised
- Can be easily positioned by means of 4 point lifting lugs or optional central single point lifting device

- Spray gun handle • Vice
- Interior LED lighting • Document compartment

Trailer unit inclusive diesel engine stage 4, AdBlue® system and soot particle filter

- Height 2.45 m

Trailer unit inclusive diesel engine with AdBlue® system. Operation in low ceiling rooms possible thanks to the exhaust air outlet being low down

- Height 2.00 m
## 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 14</td>
<td>17.5 mm</td>
<td>3200 bar</td>
<td>23 l/min</td>
<td>160 kW</td>
<td>140 kW</td>
</tr>
<tr>
<td></td>
<td>20 mm</td>
<td>Pressure step 1: 2600 bar</td>
<td>30 l/min</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Pressure step 2: 2800 bar</td>
<td>26 l/min</td>
<td></td>
<td></td>
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<tr>
<td>S 1600-14</td>
<td>28 mm</td>
<td>1400 bar</td>
<td>53 l/min</td>
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<td></td>
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<tr>
<td>S 1100-14</td>
<td>33 mm</td>
<td>1000 bar</td>
<td>75 l/min</td>
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</tbody>
</table>

## Mobile units

<table>
<thead>
<tr>
<th>Road going</th>
<th>Road going - compact</th>
<th>Basic</th>
<th>10' Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length: 4.54 m</td>
<td>Length: 4.54 m</td>
<td>Length: 2.13 m</td>
<td>Length: 2.99 m</td>
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<td>Width: 1.93 m</td>
<td>Width: 1.93 m</td>
<td>Width: 1.33 m</td>
<td>Width: 2.44 m</td>
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<tr>
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<td>Height: 2.00 m</td>
<td>Height: 2.21 m</td>
<td>Height: 2.72 m</td>
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<tr>
<td>Weight: 2.8 t</td>
<td>Weight: 2.6 t</td>
<td>Weight: 2.0 t</td>
<td>Weight: 5 t</td>
</tr>
</tbody>
</table>

Overall dimensions – All weights are net weights incl. fuel
Industrial high pressure application systems
Hammelmann high pressure pump units can be used with a wide range of water tools