High Pressure Pump Units
AQUAJET® 20 • S 1600-20 • S 1100-20

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. Control and monitoring by means of the Hammelmann ES3 control unit. Intuitive navigation in many languages. All important operating data at a glance.
- Easy commissioning due to easily accessible supply and high pressure connections

Sturdy industrial engine

- Economical industrial engines in accordance with the current exhaust emission certification step 4
- Ample power reserves: 235 kW engines for real 200 kW pump performance

High mobility

- Low noise pump unit due to super soundproofing ≤ 75 dB(A) at distance of 7 m, ≤ 84 dB(A) at 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
Overall dimensions – All weights are net weights incl. fuel

**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 20</td>
<td>17.5 mm</td>
<td>3200 bar</td>
<td>28 l/min</td>
<td>235 kW</td>
<td>200 kW</td>
</tr>
<tr>
<td></td>
<td>20 mm</td>
<td>2800 bar</td>
<td>40 l/min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S 1600-20</td>
<td>28 mm</td>
<td>1400 bar</td>
<td>78 l/min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S 1100-20</td>
<td>32 mm</td>
<td>1050 bar</td>
<td>100 l/min</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mobile units**

<table>
<thead>
<tr>
<th>Model</th>
<th>Length:</th>
<th>Width:</th>
<th>Height:</th>
<th>Weight:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road going</td>
<td>4.93 m</td>
<td>2.20 m</td>
<td>2.64 m</td>
<td>3.5 t</td>
</tr>
<tr>
<td>Stationary</td>
<td>3.40 m</td>
<td>1.80 m</td>
<td>2.22 m</td>
<td>3.3 t</td>
</tr>
<tr>
<td>Basic</td>
<td>2.13 m</td>
<td>1.33 m</td>
<td>2.21 m</td>
<td>2.2 t</td>
</tr>
<tr>
<td>10' - Container</td>
<td>Länge: 2.99 m</td>
<td>Breite: 2.44 m</td>
<td>Höhe: 2.54 m</td>
<td>Gewicht: 5.3 t</td>
</tr>
</tbody>
</table>

**Further versions available**

Stationary unit driven by Volvo engine with AdBlue® system
Industrial high pressure application systems
Hammelmann high pressure pump units can be used with a wide range of water tools.