High Pressure Pump Units
HDP 30 Basic

Mobile high pressure unit with compact dimensions

- High energy savings
- Safe operation
- High mobility
- Sturdy industrial engine
- Other versions
- Application systems
HDP 30 Basic

Mobile electric unit for gun blasting work up to 1900 bar

This mobile electric unit combines all the advantages of Hammelmann’s tried-and-tested quality pumps with high economic efficiency, for the use of high pressure blasting guns in the pressure range of up to 1900 bar.

- Long lifetime of all high pressure components ensured by optimal valve and sealing technology, use of top quality materials and precise series production with state-of-the-art machines
- High operational reliability and long maintenance intervals thanks to hermetic sealing of the gear end with patented bellows sealing system
- Leakage free pump thanks to the arrangement of all pressurised high pressure components inside the pump housing
- High reliability in continuous duty due to performance reserves.

Areas of application

- General gun blasting work
- Cleaning of shuttering and scaffolding
- Cleaning of vehicles and construction machines
- Cleaning of plaster moulds
- Industrial cleaning

Exemplary application systems

- RD Masterjet
  The professional water tool. Thanks to its compact design and low weight, enduring, fatigue-free working is possible. The Masterjet offers a long service life thanks to the Hammelmann HPS sealing system and robust components.
- RD Mono
  The simple rotor jet, designed for 600 bar operating pressure, processes surfaces with precision and reliability.
- Fan jet
  The light-weight fixed fan jet nozzle treats surfaces gently and sufficiently.
- Aquablast Basic
  Designed to handle larger areas, the Aquablast Basic surface cleaner is a useful addition that extends the potential range of application of the HDP 30 Basic system.

Technical data

High pressure pump

- Length: 1500 mm
- Width: 865 mm
- Height: 1450 mm
- Weight: 830 kg
- Drive power: 30 kW
- Construction: 3-cylinder, standing
- Rod strength: 27 kN
- Stroke: 30 mm
- Average piston speed at n2: 625 l/min = 0.63 m/sec

Easy to transport

- Water filter in pump inlet
- V-belt drive
- Valve depressurises the high pressure system when high pressure gun is closed
- Dry unit, no bypass water
- Burst disc safety device
- Tool tray

ENERGY EFFICIENT

The HDP 30 Basic converts 97 % of the shaft output into hydraulic energy.

Performance data

<table>
<thead>
<tr>
<th>HDP</th>
<th>Flow rate</th>
<th>Operating pressure</th>
<th>Piston diameter</th>
<th>Speed of rotation (crankshaft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>8 l/min</td>
<td>1900 bar</td>
<td>12 mm</td>
<td>900 l/min</td>
</tr>
<tr>
<td>33</td>
<td>16 l/min</td>
<td>1000 bar</td>
<td>20 mm</td>
<td>625 l/min</td>
</tr>
<tr>
<td>32</td>
<td>24 l/min</td>
<td>800 bar</td>
<td>22 mm</td>
<td>625 l/min</td>
</tr>
<tr>
<td></td>
<td>28 l/min</td>
<td>500 bar</td>
<td>24 mm</td>
<td>625 l/min</td>
</tr>
<tr>
<td></td>
<td>38 l/min</td>
<td>400 bar</td>
<td>30 mm</td>
<td>625 l/min</td>
</tr>
</tbody>
</table>

Hammelmann high pressure blasting guns are designed for demanding industrial use. The ergonomically shaped handle and various extensions are easy to install.
**Factory Oelde**

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

**Certifications**
- DIN EN ISO 9001
- DIN EN ISO 14001
- DIN EN ISO 50001
- BS OHSAS 18001
- TÜV ATEX 2524 X
- ASME-U
- Achilles