High Pressure Pump Units
Hot water unit with Thermojet technology

Remove contaminations easily with a 95 °C hot water jet

High cleaning performance  Sturdy industrial engine  Other versions
Safe operation  High mobility  Application systems
The heater module and the HDP 32 combined can produce an operating pressure of up to 500 bar reaching up to 95 °C of water temperature.

**Model**
- **Plunger Ø**: 26 mm
- **Operating pressure**: 500 bar
- **Flow rate**: 28 l/min
- **Engine power**: 37 kW
- **Pump power**: 26 kW

**Technical data**

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**Applications and tools**

- **Hot water blasting guns for cleaning applications**
- **Mobile unit with approx. 2 t of total weight**
- **Tool storage space in the back of the unit**

**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.
- Significant operating cost advantage thanks to the arrangement of all pressurised high pressure components inside the pump housing.
- 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.

**Sturdy industrial engine**
- Economical industrial engines built by renowned manufacturers.
- Ample power reserves: 37 kW engines for real 26 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 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.

**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.
- High safety while operating tools secured by a mechanical or optional pneumatic pressure regulating valve.

**Heater unit**
- Perfectly suited for removal of oil based contaminations.
- Up to 95 °C hot water jet.
- The ES3 is optimised for the Thermojet.
- High efficiency due to parallel usage of both heater units (160 kW).
- High pressure safety valve and security temperature limiter.

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**Accessories for your Thermojet**

Complete your hot water unit with ergonomic hot water jet systems and optimize your work processes.

### High pressure water blasting guns for hot water applications

- **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 using hot water up to 90 °C.

- **Fan jet**
  - The light-weight fixed fan jet nozzle treats surfaces gently and sufficiently.

#### Hammelmann high pressure blasting guns

Hammelmann high pressure blasting guns are designed for demanding, industrial use. The ergonomically shaped handle and various extensions are easy to install - so every operator will find the ideal working position, which saves energy and at the same time increases operator safety.

**Hot water blasting gun - Basic**

The modular Basic version is an efficient introduction into the field of hot water high pressure blasting guns. Depending on the application, different lances and nozzle variants are available, which, in combination with the simple handle, provide a solid tool.

- **Aquablast - Basic**
  - Surface cleaner for hot water applications
  - Designed to handle larger areas, the Aquablast Basic surface cleaner is a useful addition that extends the potential range of application of the Thermojet system.

- **Suction add-on**
  - Mechanical foot valve to remotely switch high pressure on/off.
  - Sludge suction add-on for hot water blasting gun.

**Water jetting tools**

- **1000 mm double lance + fan jet**
- **800 mm lance + RD Mono**
- **800 mm lance + fan jet**

**Accessories**

- **Electric control cable reel**
  - Required for operating the Thermojet’s pneumatic pressure regulating valve via the electrical hot water blasting gun.

- **Hot water high pressure hose – 30 meters**
  - Safety-tested high pressure hose especially for hot water applications. If required, several hoses can be connected via simple adapters.

**Component names**

- Handle for hot water blasting gun (mechanical)
- 1000 mm double lance + fan jet
- 800 mm lance + RD Mono
- Hot water blasting gun (mechanical)
- RD Mono
- RD Masterjet
- Aquablast - Basic
- Fan jet
Hammelmann Germany

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