



# High Pressure Pump Units

## AQUAJET® 30 • S 1600-30 • S 1100-30

The endurance runners at particularly favourable operating costs

High energy savings

Sturdy industrial engine

Other versions

Safe operation

High mobility

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:** 345 kW engines for real 300 kW pump performance

## High mobility

- **Low noise pump unit** due to super soundproofing  
 $\leq 75$  dB(A) at a distance of 7 m  
 $\leq 84$  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

## Technical data

| Model      | Plunger Ø | Operating pressure | Flow rate | Engine power | Pump power |
|------------|-----------|--------------------|-----------|--------------|------------|
| AQUAJET 30 | 17,5 mm   | 3200 bar           | 47 l/min  | 345 kW       | 300 kW     |
|            | 20 mm     | 2600 bar           | 62 l/min  |              |            |
| S 1600-30  | 25 mm     | 1600 bar           | 101 l/min |              |            |
|            | 28 mm     | 1300 bar           | 126 l/min |              |            |
| S 1100-30  | 33 mm     | 1030 bar           | 152 l/min |              |            |



Stationary diesel unit on frame

## Versions

Aquajet 30 is available in many different set-ups.



Stationary



Basic



10' - Container

## Fields of application

Exemplary ranges of application for the Aquajet 30 performance class.



Corrosion protection



Concrete rehabilitation



Tank cleaning

# Industrial high pressure application systems

Hammelmann high pressure pump units can be used with a wide range of water tools

