



High Pressure Pump Units

AQUAJET® 50 • S 1600-50 • S 1100-50

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:** 571 kW engines for real 500 kW pump performance

High mobility

- **Low noise pump unit** due to super soundproofing
 ≤ 72 dB(A) at a distance of 7 m
 ≤ 81 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

Technical data

Model	Plunger Ø	Operating pressure	Flow rate	Engine power	Pump power
AQUAJET 50	28 mm	3000 bar	77 l/min	up to 571 kW	500 kW
	35 mm	2200 bar	122 l/min		
S 1600-50	40 mm	1600 bar	166 l/min		
	45 mm	1290 bar	212 l/min		
S 1100-50	50 mm	1040 bar	262 l/min		



Stationary diesel unit in a soundproof container

3 speed transmission unit – Save up to 54 l/h of fuel!

HDP 500 Diesel driven pump unit with manual 3 speed transmission only uses that energy needed for the job to be done.



3rd gear – full pump power
as typically employed for tank cleaning



2nd gear – medium pump power
i.e. for pipe and tube bundle cleaning



1st gear – low pump power
for manual blasting gun work

Industrial high pressure application systems

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

