

High Pressure Pump Units

AQUAJET® 80 • S 1600-80 • S 1100-80

The high performance unit for the toughest demands

High performance reserve

High flow rates

Sturdy industrial engine

Safe operation

Other versions

Application systems



The endurance runner in top quality

- **Long lifetime of all high pressure components** ensured by 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 5
- **Powerful diesel unit** with real 800 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 aluminium bottom tray
- **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 80	28 mm	3000 bar	129 l/min	up to 839 kW	800 kW
	35 mm	2100 bar	203 l/min		
S 1600-80	40 mm	1570 bar	277 l/min		
	45 mm	1240 bar	353 l/min		
S 1100-80	50 mm	1000 bar	437 l/min		



Stationary unit with diesel engine



25'-Container

Fields of application

Exemplary ranges of application for the Aquajet 80 performance class.



Concrete rehabilitation



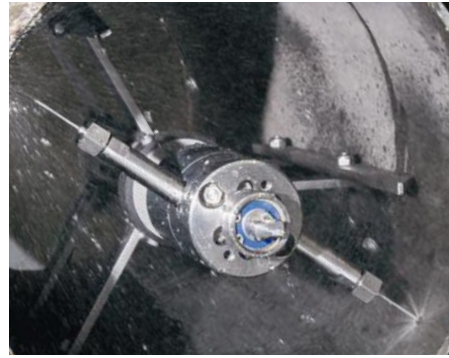
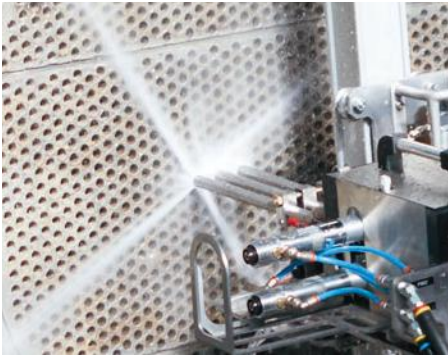
Pipe cleaning



3D tank cleaning unit

Industrial high pressure application systems

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



Hammelmann service worldwide

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



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