



# High Pressure Pump Units

## AQUAJET® 14 • S 1600-14 • S 1100-14

The endurance runners at particularly favourable operating costs

High energy savings

Safe operation

Sturdy industrial engine

High mobility

Other versions

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:** 160 kW engines for real 140 kW pump performance

## High mobility

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

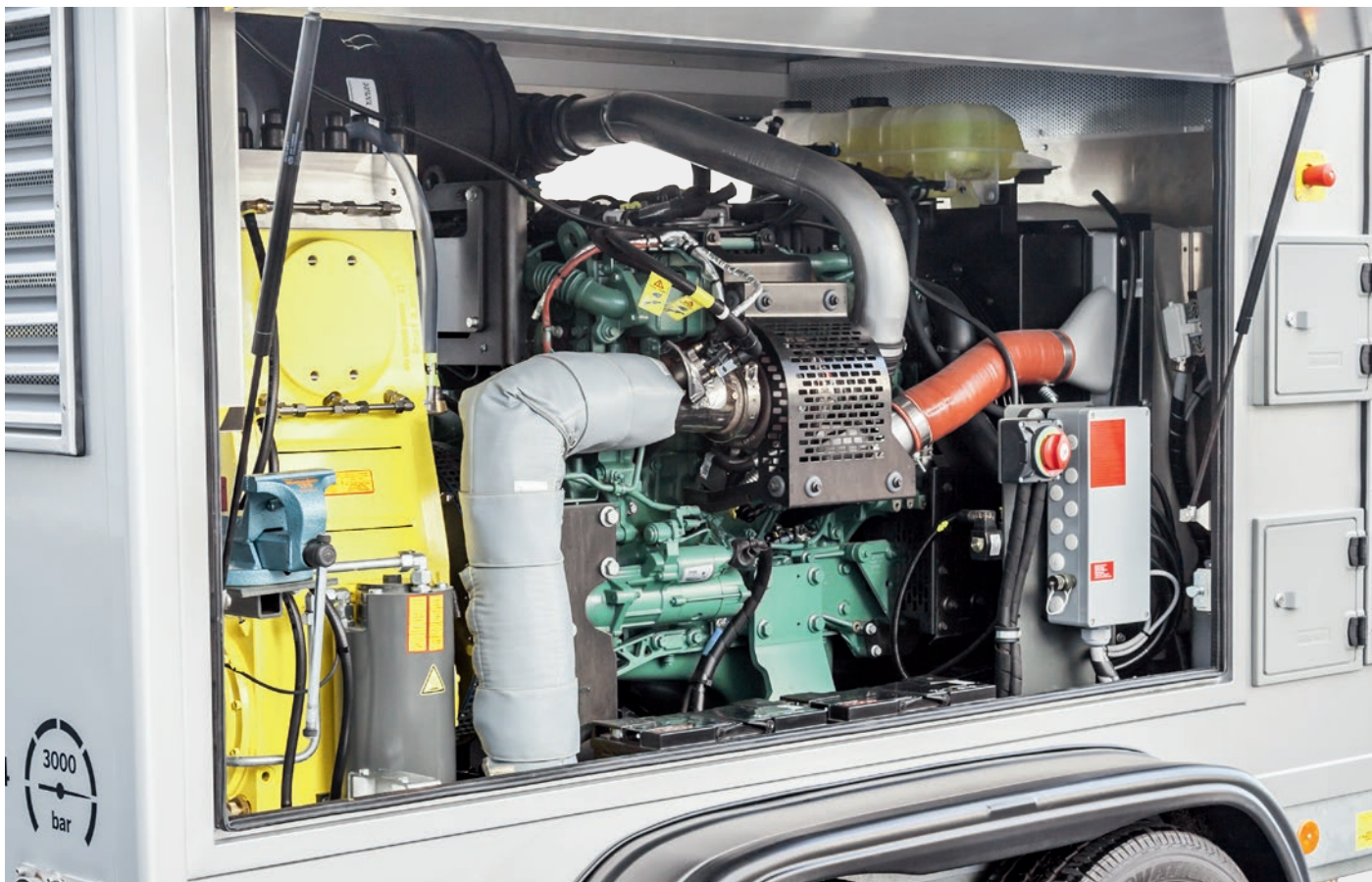


Trailer unit inclusive diesel engine stage 4, AdBlue® system and soot particle filter

Trailer unit inclusive diesel engine with AdBlue® system. Operation in low ceiling rooms possible thanks to the exhaust air outlet being low down

- Spray gun handle • Vice
- Interior LED lighting • Document compartment





Mobile unit driven by diesel engine with AdBlue® system

## Technical data

Model	Plunger Ø		Operating pressure	Flow rate	Engine power	Pump power
AQUAJET 14	17.5 mm		3200 bar	23 l/min	160 kW	140 kW
	20 mm	Pressure step 1	2600 bar	30 l/min		
		Pressure step 2	2800 bar	26 l/min		
S 1600-14	28 mm		1400 bar	53 l/min		
S 1100-14	33 mm		1000 bar	75 l/min		

## Mobile units

## Further versions available



Road going

Length: 4.54 m  
Width: 1.93 m  
Height: 2.45 m

Weight: 2.8 t



Road going - compact

Length: 4.54 m  
Width: 1.93 m  
Height: 2.00 m

Weight: 2.6 t



Basic

Length: 2.13 m  
Width: 1.33 m  
Height: 2.21 m

Weight: 2.0 t



10' Container

Length: 2.99 m  
Width: 2.44 m  
Height: 2.72 m

Weight: 5 t

Overall dimensions – All weights are net weights incl. fuel

# Industrial high pressure application systems

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



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