



Cut your energy bill!

Energy efficient supply of multiple waterjetting tools
with a single Hammelmann plunger pump system



Matched power requirement

Top quality components

Big savings on energy costs

High parts availability

High-performance continuous duty

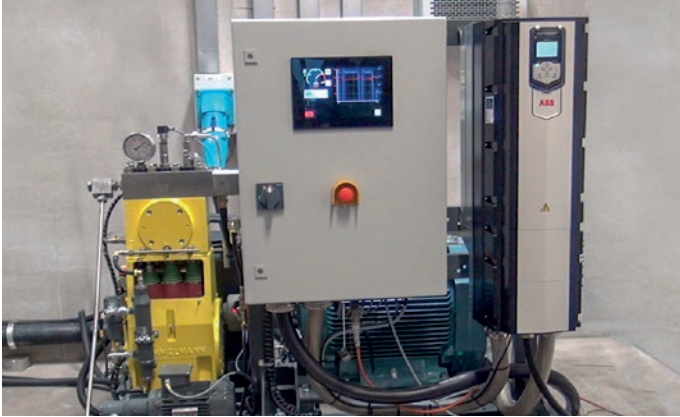
Fast and comprehensive service

Industrial waterjet applications with high energy efficiency

High pressure technology is used in many industries and trades: for gentle cleaning, surface preparation, deburring, paint stripping or roughening.

Using a central high-pressure unit, several tools, such as blasting guns or tank cleaning units, can be supplied individually or simultaneously. The work or wash stations can be attached to the central high-pressure supply unit via a closed circular pipeline.

Permanent availability without continuous operation



With fast-switching high-pressure systems, Hammelmann offers an energy efficient solution that provides high-pressure water only when it is needed and therefore only causes energy costs when operation is required. The systems with reluctance motors work precisely and self-regulating, conserving resources, without requiring any changes in an established process.

The use of particularly fast-reacting reluctance motors in combination with the high efficiency of the Hammelmann high-pressure pumps enables the simultaneous and demand-based supply of several waterjetting tools without pressure loss or notable start-up times.

Retrofitting or replacing within an existing infrastructure is not a problem. All discharges are ready for use again in the shortest possible time and immediately work more economically and more energetically efficient than before.

Advantages at a glance:

- Constant availability of high pressure water
- Optimized energy consumption
- Significant reduction in energy costs
- Central supply of up to 10 waterjetting tools with just one pump

**Demand-based
supply of
high-pressure water**

**High
energy efficiency**

**Capable of feeding
10 waterjet tools
with a single unit**



Energy efficiency means full performance - but only when needed!



Matched power requirement

Hammelmann high-pressure pumps make particularly economical use of the energy employed. With these high-pressure systems it is possible to use the exact motor power necessary for the actual task in progress. Additionally the high mechanical and volumetric efficiency of the plunger pump result in considerable energy savings.

Long service life

Intelligent design, the use of high-strength materials and precision manufacturing of the components result in a long service life at pressures up to 4500 bar.

Retrofitting to existing systems is straightforward

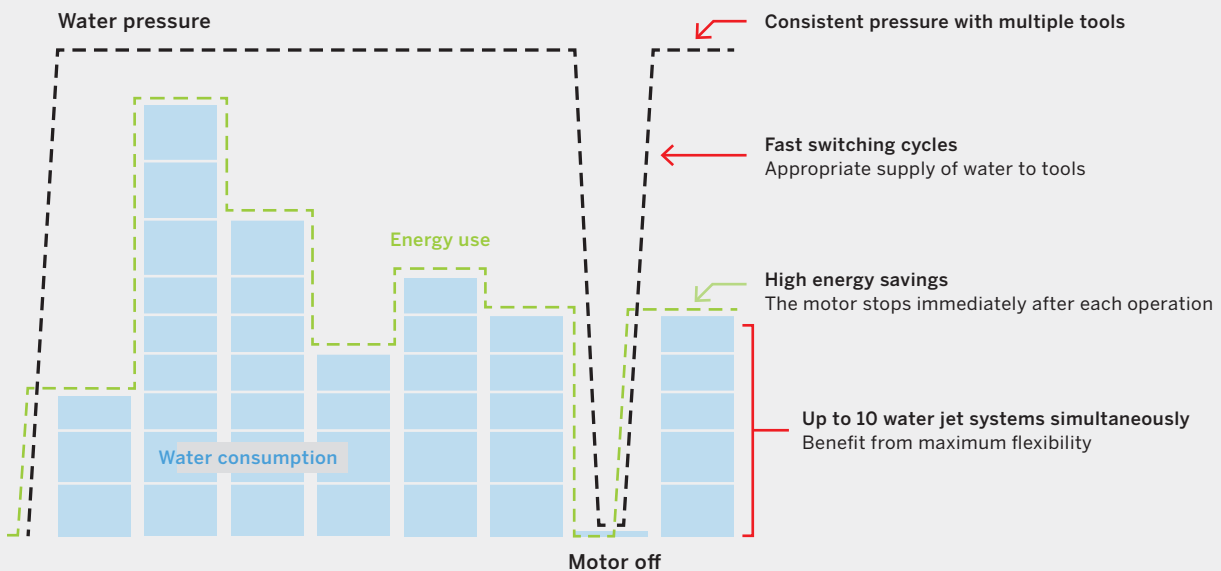


Supply via fast switching systems

The continuous availability of high-pressure water at any time requires a great amount of energy when implemented by conventional methods and generates noticeable costs.

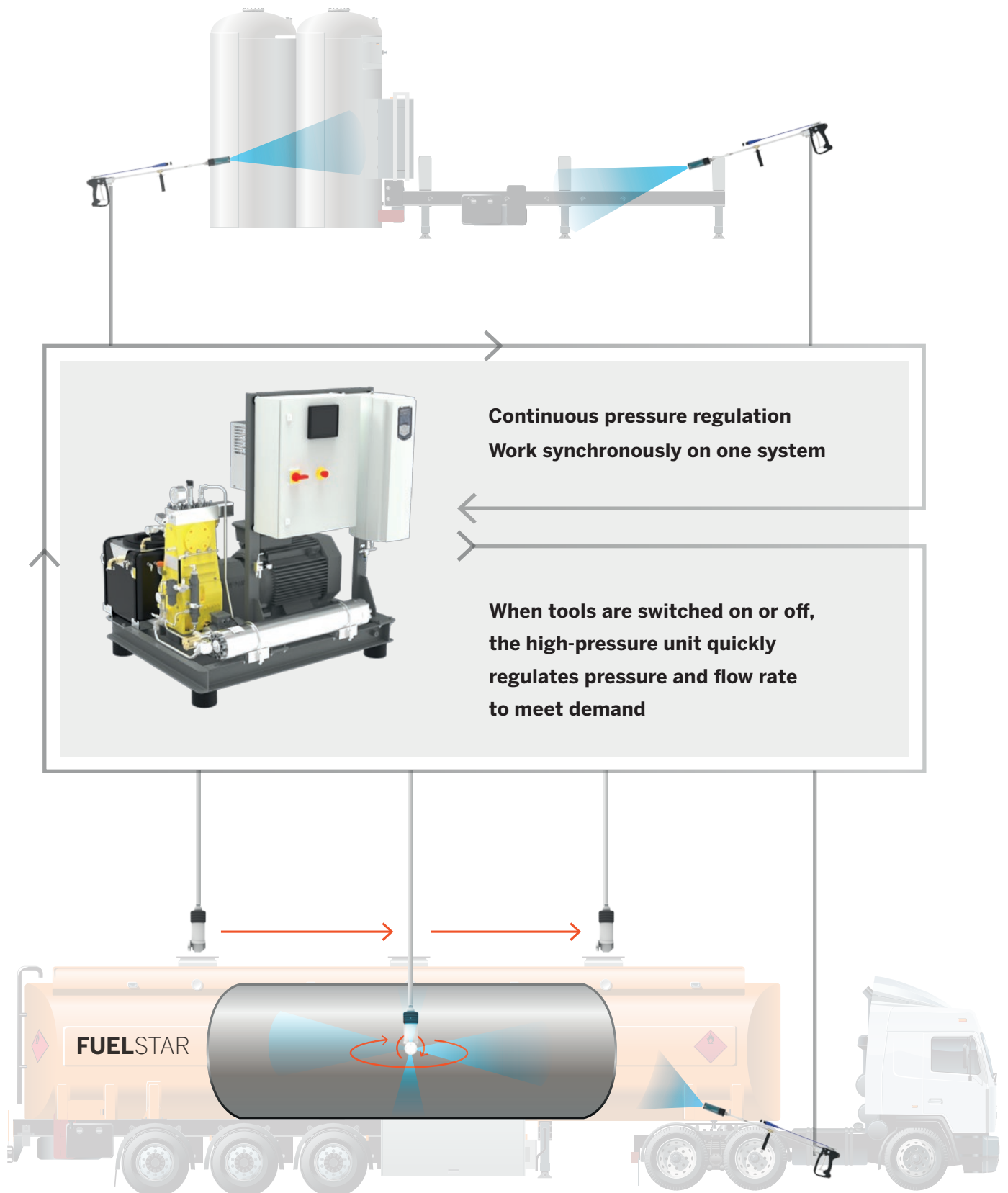
The pump runs in non-stop operation and it does not matter whether high-pressure waterjet systems are used continuously, frequently or merely on demand.

Energy-saving, responsive and effective



Your work situation

Quickly adapt to changing workloads of individual applications and keep several areas or jobs under control with just one central pump unit.



Unit design details



- | | | |
|-----------------------|------------------------|------------------|
| 1. High-pressure pump | 4. Pulsation damper | 7. Control panel |
| 2. Electric motor | 5. Feed water tank | |
| 3. Base frame | 6. Frequency converter | |



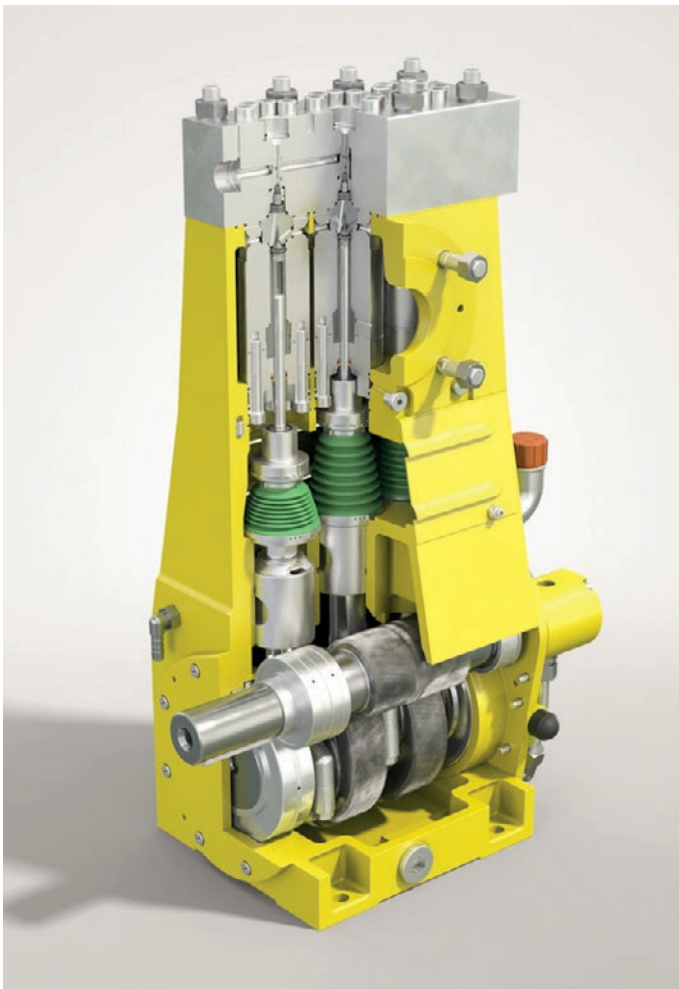
Frequency converter

A frequency converter enables electronic regulation of the drive motor speed so that the power input can be optimised to suit each particular task.



Controls

Purpose-built and experience orientated controls with enhanced software allow a tailor-made installation.



Designed for reliability

Ten thousand Hammelmann high-pressure pumps are in operation around the world in virtually all branches. Whether in use around the clock or when needed, our customers count on energy efficiency, reliability, performance, service and innovative solutions. We see it as our daily duty to meet these challenges.

Compact, vertical design

The vertical pump version has many advantages:

- Minimal installation space required
- Protection of the pump components through weight-neutral running
- Good flow of the conveyed medium
- Low stress on the installation frame due to prevention of undesirable lateral oscillations

Maintenance

Hammelmann high-pressure pumps are extremely maintenance-friendly. Wear parts can be replaced using conventional tools in just a few short steps. The design of the high-pressure pump has been well thought out, with the clear layout of the components simplifying the installation process.

The high performance, continuous duty units



High-pressure pump unit HDP 40



High-pressure pump unit HDP 70

Performance table

Pump model	HDP 40		HDP 70		HDP 140		HDP 200	
	min.	max.	min.	max.	min.	max.	min.	max.
Continuous operating pressure [bar]	50	3800	60	3000	70	4000	80	4000
Flow rate [l/min]	5,2	155	7,2	246	10	343	14	489
Shaft power [kW]	10,4	43,4	57,3	69,8	104		150	
Installed power [kW]	15	71	71	86	155		205	

Supply various application systems with only one unit

Depending on the design and requirements of the workplaces, up to 10 waterjetting tools can be supplied reliably and flexibly by a single high-pressure pump unit.



Jetboy XL



Aquablast Basic



Aquamat S – Tank cleaning unit

Service

Fast and comprehensive service

We're in your locality

Our broad service network means that we can reach you quickly. Hammelmann high-pressure pumps are designed for a long working life. Maintenance intervals are governed by individual on site operational conditions such as continuous duty, performance parameters, and local conditions. We have flexible, competent and experienced technicians in readiness for all maintenance and repair works.

24 hour service hotline

Customer's needs are paramount, whereby problems can often be solved over the telephone.

For this we offer a 24 hour service hotline:
+ 49 (0) 171 4707 265

Our specialists can help you either with an instant fault analysis, or give you troubleshooting tips to point you in the right direction. They can also process any necessary spare parts orders.

Competent advice

Hammelmann high-pressure pumps for cutting applications can be integrated with any cutting table.

Our team of experts will determine with you the optimal solution for your needs, and you will receive a system that is efficient, resource conserving, and works powerfully without foregoing ample performance reserves.

Practical experience orientated training

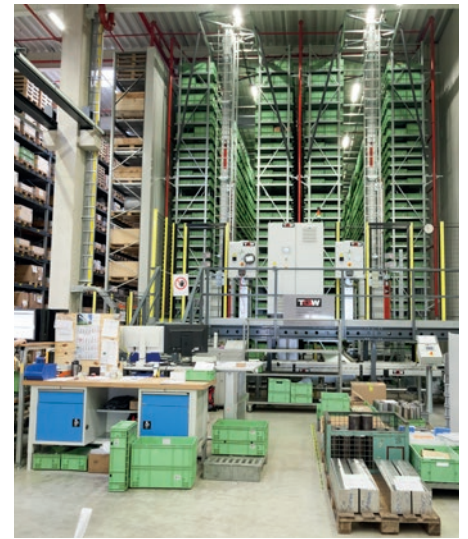
Based in the needs and prior knowledge of the participants we offer training courses and seminars on the professional operation, maintenance and repair of high-pressure pumps.



High level availability of parts

Our logistics centre offers a first class parts service. With 18,000 automated small parts storing slots and 900 positions for standard Euro-pallets we can provide a fast delivery service

Orders for stock items that reach us by 02:00 pm will be dispatched on the same day.



The factory - Oelde



Certificates

DIN EN ISO 9001
DIN EN ISO 14001
DIN EN ISO 50001
BS OHSAS 18001
TÜV ATEX 2524 X
ASME-U
Achilles



Hammelmann service worldwide

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



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