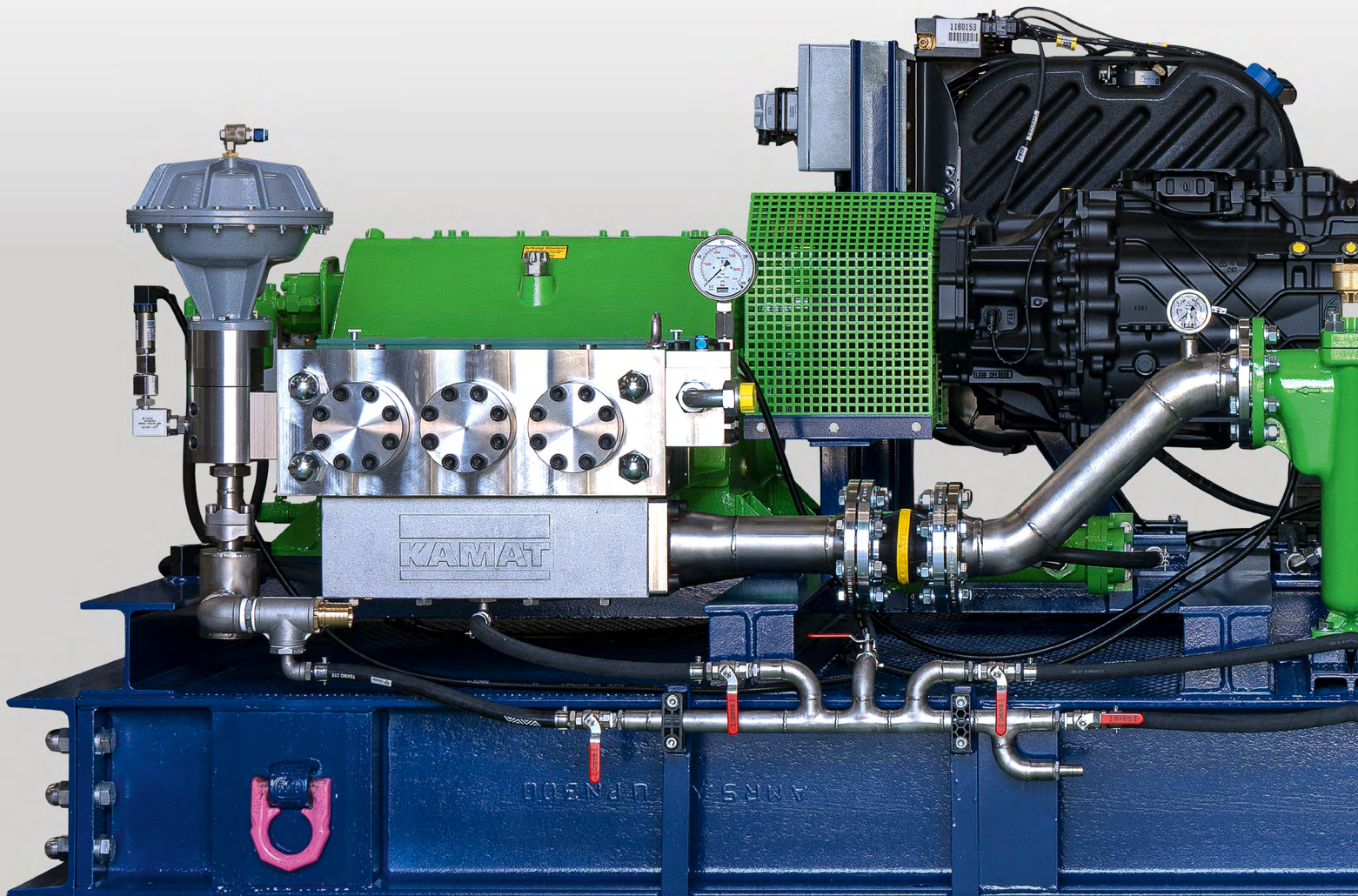


# KAMAT

since 1974



KAMAT MOBILE JETTING UNITS

**KAMJET – PRESSURE.  
POWER. PRECISION.**

Maximum Power. Full Mobility. No Compromise.

## KAMAT - HIGH-PRESSURE TECHNOLOGY OF SUPERIOR QUALITY

KAMAT has been developing and manufacturing high-pressure pumps and water tools „Made in Germany“ for over 50 years. Our modular system ensures customised solutions of the highest quality and durability.

### OUR STRENGTHS AT A GLANCE:

- **Flexibility:** modular system for individual adaptation
- **Durability:** high-quality materials, made in Germany
- **Service:** worldwide availability and easy maintenance
- **Efficiency:** intelligent control for low energy consumption
- **Innovation:** continuous development
- **Quality:** uncoated components

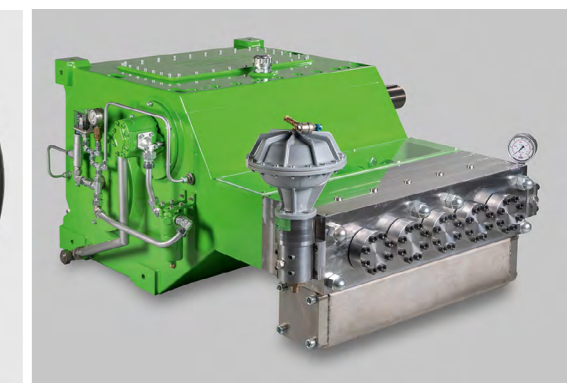
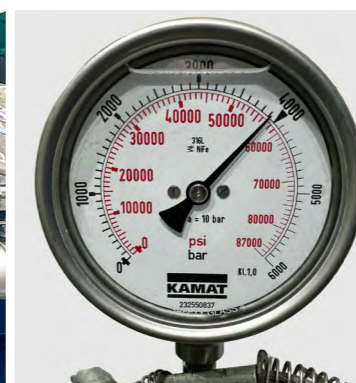
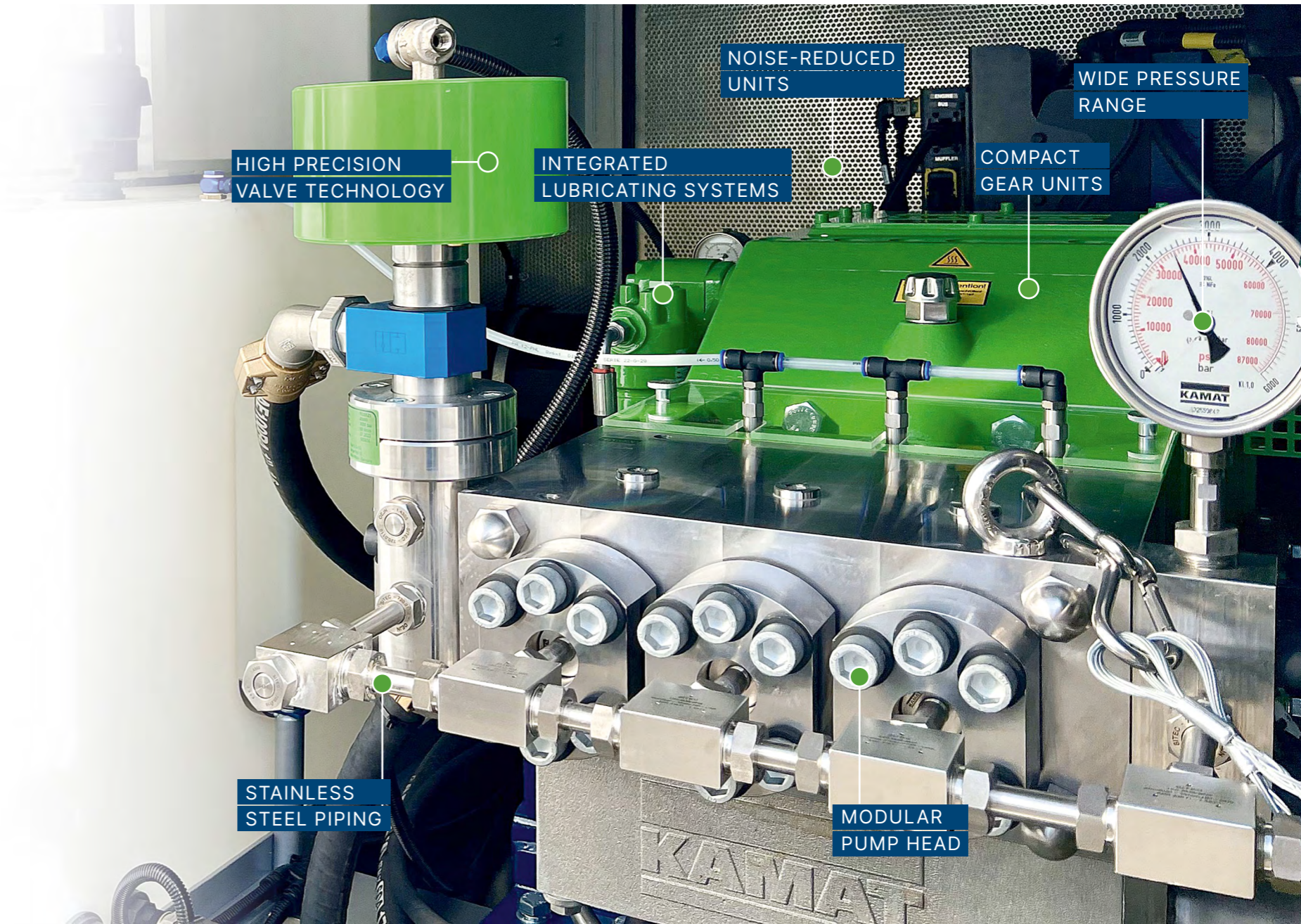
Our customers benefit from customised solutions, fast spare parts supply and a strong global service network.

## HIGH-PRESSURE TECHNOLOGY FROM GERMANY - SINCE 1974

KAMAT develops and manufactures durable, **low-maintenance high-pressure pumps**, systems and equipment for industry, jetting, hydraulics and process engineering. Our **triplex and quintuplex pumps** are based on a **modular system** - adaptable, efficient and reliable.

As a family-owned company, we combine almost 50 years of experience with continuous innovation. With high-pressure technology „made in Germany“, we offer tailor-made solutions for demanding applications worldwide.

Our claim: **top quality, maximum flexibility** and a **technical lead** for every industry. Put your trust in real engineering expertise - we have the right high pressure solution for your challenge.



# KAMJET SERIES: HIGH-PERFORMANCE UNITS

## HIGH PRESSURE MEETS EFFICIENCY

Our high-pressure units combine **maximum water capacity, intelligent control and energy efficiency** with **modular design** for customised solutions. Ideal for **cleaning and removal applications** in demanding industries.

## INTELLIGENT CONTROL FOR MAXIMUM EFFICIENCY

Equipped with advanced control systems, KAMJET units feature automatic pressure and flow regulation for **optimal performance and component protection**. Digital interfaces enable **remote monitoring and diagnostics**.

## HIGHLIGHTS

- Energy-efficient control algorithms
- Operation with programmable cleaning profiles
- Expandable for Industry 4.0 & IoT applications
- Integrated sensors for predictive maintenance

## VERSIONS OF THE KAMJET SERIES

All models are available in the following setups:

- T Mobile with insulation hood
- B Baseframe high-pressure unit
- BSS Noise-reduced baseframe unit
- C Containerized version for transport & outdoor use
- 3a For non-EU emission standards
- a Fully automatic version

## APPLICATIONS

- **Oil & Gas:** Cleaning of drilling rigs, pipelines and tanks, including offshore
- **Steel Industry:** high-pressure cleaning of production facilities
- **Shipbuilding & Shipyards:** paint stripping and surface treatment
- **Construction & Infrastructure:** concrete removal, bridge and tunnel cleaning, well regenerating, dismantling
- **Chemical & Industrial:** Removal of deposits and residues from heat exchangers, pipes and tanks

## FLEXIBLE DRIVE OPTIONS – DIESEL OR ELECTRIC

Our high-pressure units are available with powerful diesel engines or in electric configurations. Depending on the location and requirements, we deliver the **ideal drive system** – also available in **ATEX explosion-proof** versions.

## KAMJET ADVANTAGES AT A GLANCE:

### WORLDWIDE SUPPORT:



Fast spare parts supply and service

### ATEX VERSIONS:



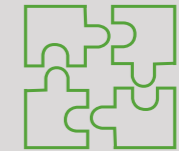
Optional for explosive and hazardous environments

### PERFORMANCE:



Up to 4000 bar for toughest applications

### MODULARITY:



Adaptable in performance and configuration

### ENERGY EFFICIENCY:



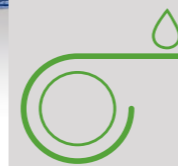
Optimized control reduces wear and operating cost

### EASE OF MAINTENANCE:



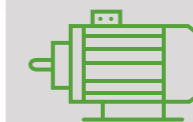
No special tools or lifting equipment required

### ROBUST CONSTRUCTION:



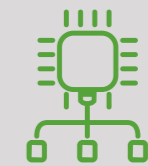
Stainless steel components, no coatings

### RELIABLE DRIVES:



Units with motors from leading manufacturer

### PRECISE CONTROL:



Smart pressure regulation, energy-efficient



## AVAILABLE ACCESSORIES

- HP-Guns and Lances
- Rotating nozzles & surface cleaners
- Tank cleaning heads
- Safety & control valves

## KAMJET RANGE

■ KAMJET 180T	Page 8
■ KAMJET 450	Page 11
■ KAMJET 550	Page 12
■ K108	Page 16
■ Other KAMJETs models available on request	

## KAMAT CONTROL SYSTEM 2025 – MAXIMUM REGULATION & EFFICIENCY

The new KAMAT Control 2025 sets new standards in high-pressure technology. It combines **intuitive operation, intelligent automation and digital monitoring** to maximise the safety and efficiency of high-pressure systems.

### CORE FUNCTIONS & BENEFITS

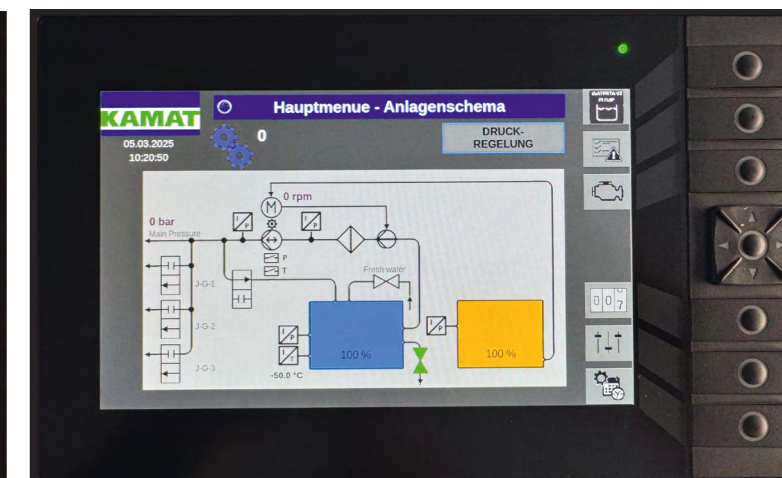
- **4.3" color display** – intuitive menu navigation and illuminated buttons
- **Smart process control** – automatic pressure & flow regulation
- **Digital monitoring** – real-time fault diagnostics, trend analysis, operating hours & error history
- **Flexibility & remote access**– flexible operation with remote control and Industry 4.0 connectivity
- **Maximum safety** – emergency stop, key switch, and customisable menus

### HIGHLIGHTS

- Energy-efficient control algorithms
- Operation with programmable cleaning profiles
- Expandable for Industry 4.0 & IoT applications
- Integrated sensor technology for predictive maintenance

### OPTIMIZED FOR HIGH-PRESSURE APPLICATIONS

- **Versatile use** for jetting systems, pressure and speed control
- **Maintenance-friendly** with alarm lists and fault history



## KAMJET 180T – MOBILE HIGH-PRESSURE POWER

### HIGH PRESSURE WHERE YOU NEED IT

High performance, efficiency, and reliability – the KAMJET 180T is the mobile solution for demanding cleaning, cutting, and rehabilitation tasks. With up to 522 l/min at 180 kW, e.g. for well regeneration, or 24 l/min at 3500 bar, it delivers maximum performance for concrete restoration, industrial cleaning, paint stripping and surface cleaning.

### FEATURES & OPTIONS

- **Mobile version** – two-axle trailer (100 km/h) with sound insulation hood and weather protection
- **Touchscreen control** – programmable cleaning profiles
- **Safety systems** – remote control, emergency stop, speed control
- **Optional** – radio control, feed tank

### PERFORMANCE DATA OF THE KAMAT K18000-3G HIGH-PRESSURE PUMP

The integrated KAMAT K18000-3G high-pressure pump sets new standards in performance and reliability. The high pressure pump can be optimally configured for any application.



### PERFORMANCE DATA KAMJET 180T

Conversion Kit	Max Flow Rate	Max. Pressure
14 mm	24 l/min	3500 bar
16 mm	32 l/min	2985 bar
22 mm	60 l/min	1580 bar
26 mm	84 l/min	1130 bar
28 mm	97 l/min	975 bar
36 mm	160 l/min	590 bar
65 mm	522 l/min	180 bar

### PERFORMANCE MEETS ADVANCED TECHNOLOGY

#### HIGH-PRESSURE PERFORMANCE

Up to 522 l/min at 180 bar  
or 24 l/min at 3500 bar

#### RELIABLE KAMAT K18000-3G PUMP

Pressurised oil lubrication & oil  
cooling for long service life

#### EFFICIENT CONTROL

Automatic speed control  
& remote control for  
precise work

#### EASY MAINTENANCE

Maintenance flaps, central  
dewatering & weather protec-  
tion for minimum service effort

#### FLEXIBLE MOBILITY

Rugged two-axle trailer  
with 100 km/h road licence

#### PROFESSIONAL ACCESSORIES

Selection of specialized  
water tools for maximum  
efficiency and safety



## KAMJET 450

### HIGH-PRESSURE UNIT FOR INDUSTRIAL CLEANING

The KAMJET 450 is a powerful and modular high-pressure **cleaning, cutting and surface preparation system**. Equipped with the KAMAT K45000-3G pump and a 405 kW motor, it offers high efficiency and long-term reliability.

### HIGH PERFORMANCE FOR THE HIGHEST REQUIREMENTS

- **Pressure & Flow** – up to 1270 bar und 188 l/min for large area deep cleaning
- **Optimised for large consumers** – perfect for multi-consumer operation & automated cleaning systems
- **Flexible use** – manual or automated high pressure cleaning with multiple guns
- **Durable pump technology** – low wear due to high quality pump head

### PERFORMANCE DATA KAMJET 450

Conversion Kit	Max. Flow Rate	Max. Pressure
22 mm	70 l/min	3395 bar
24 mm	84 l/min	2855 bar
26 mm	98 l/min	2430 bar
32 mm	149 l/min	1605 bar
36 mm	188 l/min	1270 bar



## KAMJET 550

### MAXIMUM POWER FOR INDUSTRIAL HIGH-PRESSURE APPLICATIONS

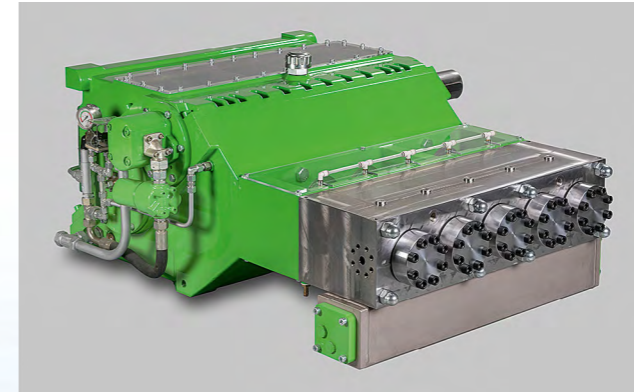
The KAMJET 550 is one of the most powerful units in the KAMJET range - designed for heavy duty cleaning and cutting. With the KAMAT K55000-5G pump, it delivers extreme flow rates and high pressures, ideal for large area and deep removal work

### MAXIMUM PERFORMANCE & EFFICIENCY

- **Highest flow rates** – up to 275 l/min at 1060 bar for intensive applications
- **Powerful drive** – diesel engine up to 550 kW for maximum power
- **Low pulsation operation** – reduced vibration for less wear and tear
- **Automatic pressure control** – intelligent control for energy efficient operation
- **Durable stainless steel components** – corrosion resistant & low maintenance

### PERFORMANCE DATA KAMJET 550

Conversion Kit	Max. Flow Rate	Max. Pressure
20 mm	85 l/min	3440 bar
22 mm	103 l/min	2840 bar
24 mm	122 l/min	2390 bar
30 mm	191 l/min	1530 bar
36 mm	275 l/min	1060 bar



## KAMJET AUTOMATIC UNITS

### KAMJET AUTOMATIC UNITS - INTELLIGENT HIGH-PRESSURE CONTROL

The KAMJET 450Ca and 550Ca automatic units set **new standards in high-pressure technology**. Thanks to innovative control logic, the system automatically adapts to pressure and flow requirements, minimising operating costs and wear.

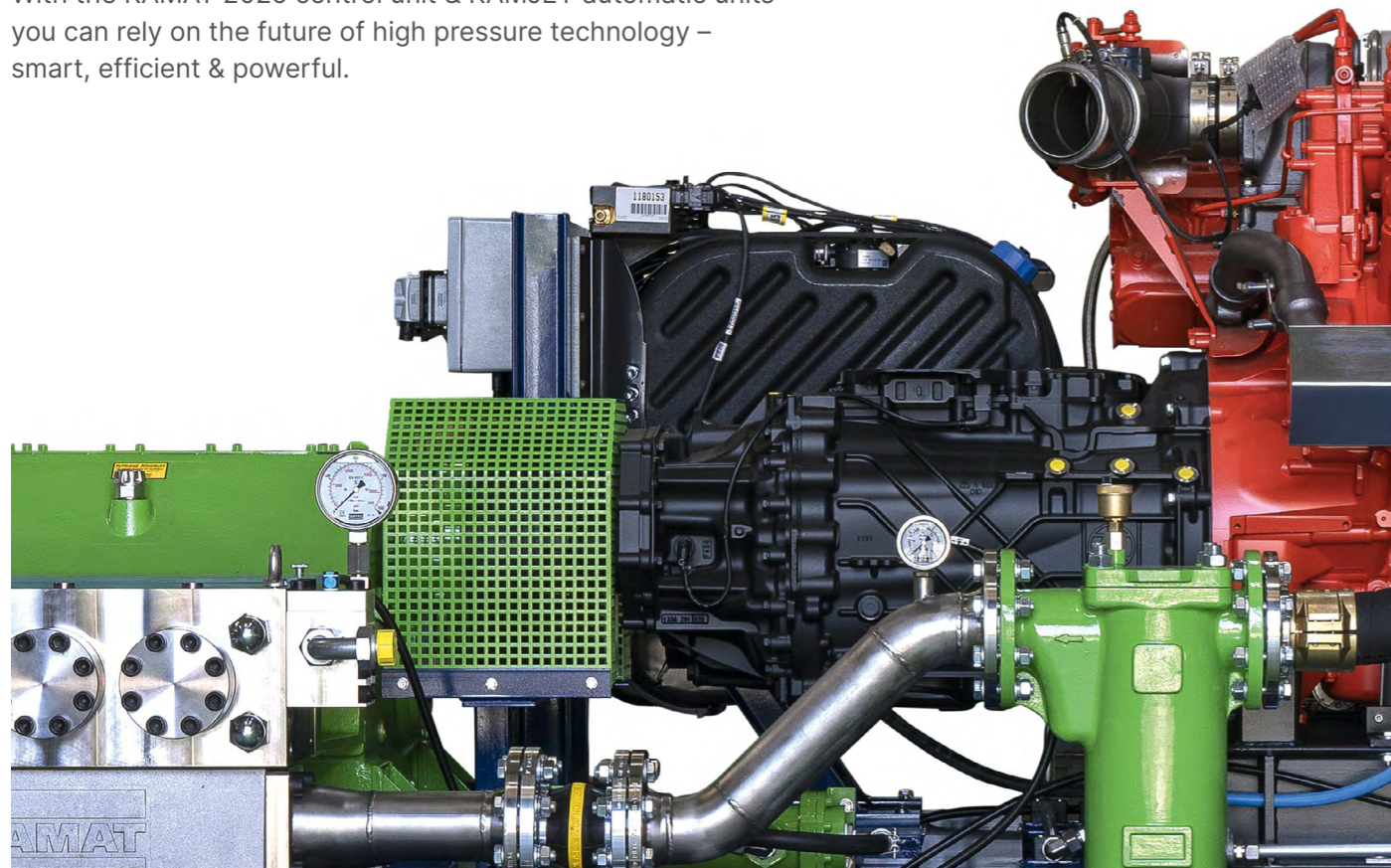
### TECHNOLOGICAL ADVANTAGES

- **Automatic adjustment** – Optimised pressure and volume control for energy efficient use
- **Variable engine control** – always at the optimum operating point for lower diesel consumption
- **Longer service life** – gentle speed level

### MAXIMUM EFFICIENCY - MINIMUM OPERATING COSTS

- **Up to 30% diesel savings** – dynamic adjustment of engine performance
- **Reduced maintenance effort** – protection of high-pressure components
- **Sustainability** – CO<sub>2</sub> reduction & water savings through demand-oriented control

With the KAMAT 2025 control unit & KAMJET automatic units you can rely on the future of high pressure technology – smart, efficient & powerful.



## KAMAT K108

### THE COMPACT HIGH-PRESSURE PUMP FOR MAXIMUM PERFORMANCE

The KAMAT K108 is a **small, flexible and cost-effective high-pressure triplex pump**, ideal for **applications requiring the highest pressures at the lowest flow rates**.

Thanks to its **modular design**, it can be adapted to meet individual requirements and offers low energy consumption and a long service life.

### TECHNICAL HIGHLIGHTS

- **Pressure range:** up to 2000 bar
- **Flow rate:** variable according to application, max. 4 l/min
- **Drive power:** optimised for different application scenarios



### PERFORMANCE DATA K108

Speed	Max. Flow Rate	Power Input at 1000 bar	Power Input at 1500 bar	Power Input at 2000 bar
500 U/min	2,0 l/min	3,9 kW	5,8 kW	7,7 kW
600 U/min	2,4 l/min	4,6 kW	6,9 kW	9,2 kW
700 U/min	2,8 l/min	5,4 kW	8,1 kW	10,8 kW
800 U/min	3,2 l/min	6,2 kW	9,2 kW	12,3 kW
900 U/min	3,6 l/min	6,9 kW	10,4 kW	13,9 kW
1000 U/min	4,0 l/min	7,7 kW	11,5 kW	15,0 kW

### OVERVIEW PERFORMANCE DATA KAMJETS

Conversion Kit	Max. Flow Rate	Max. Pressure
<b>KAMJET 180T</b>		
14 mm	24 l/min	3500 bar
16 mm	32 l/min	2985 bar
22 mm	60 l/min	1580 bar
26 mm	84 l/min	1130 bar
28 mm	97 l/min	975 bar
36 mm	160 l/min	590 bar
65 mm	522 l/min	180 bar
<b>KAMJET 250</b>		
18 mm	41 l/min	3185 bar
20 mm	51 l/min	2580 bar
22 mm	62 l/min	2130 bar
24 mm	73 l/min	1790 bar
<b>KAMJET 450</b>		
22 mm	70 l/min	3395 bar
24 mm	84 l/min	2855 bar
26 mm	98 l/min	2430 bar
32 mm	149 l/min	1605 bar
36 mm	188 l/min	1270 bar
<b>KAMJET 550</b>		
20 mm	85 l/min	3440 bar
22 mm	103 l/min	2840 bar
24 mm	122 l/min	2390 bar
30 mm	191 l/min	1530 bar
36 mm	275 l/min	1060 bar
<b>KAMJET 1000</b>		
22 mm	117 l/min	3500 bar
24 mm	139 l/min	3500 bar
26 mm	163 l/min	3245 bar
28 mm	190 l/min	2795 bar
32 mm	248 l/min	2140 bar
36 mm	313 l/min	1690 bar
40 mm	387 l/min	1370 bar
45 mm	490 l/min	1085 bar

Complete performance list KAMAT pumps:



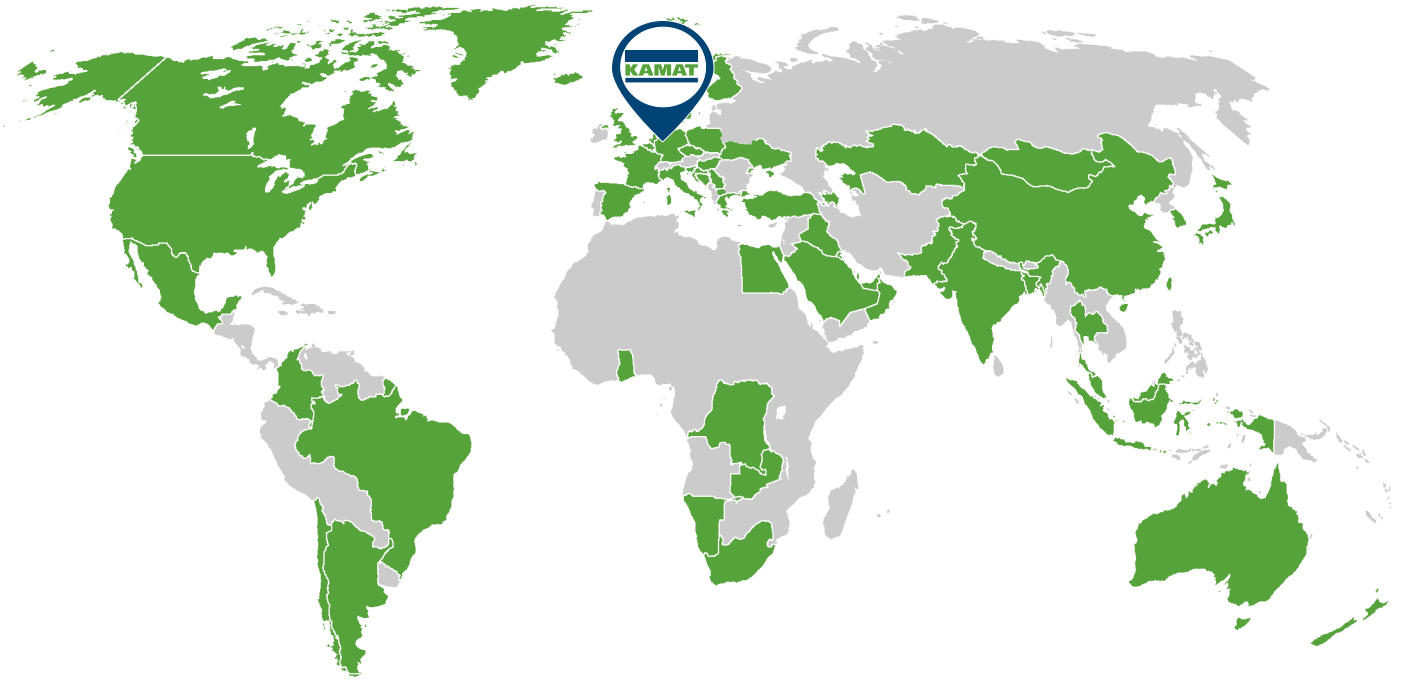
## APPLICATION AREAS FOR KAMJETS

	180T	250	450	450 a	550	550 a
<b>CASTING CORE RESIDUE REMOVAL</b>						
l Handheld operated, occasional usage	well suited	well suited		well suited		suitable
m Mechanical supported nozzle operation, frequent usage	suitable	suitable		well suited		suitable
h Robot guided large scale nozzle operation, automatisated, permanent usage			well suited	well suited	well suited	well suited
a Supported or automatisated removal with occasional handheld usage			suitable	well suited		well suited
<b>JET STRIPPING OF ROAD MARKINGS</b>						
l Small sized areas, handheld operated	well suited	well suited		suitable		
m Medium sized areas with surface cleaners etc.	well suited	well suited		well suited		suitable
h Large areas with heavy cleaning machines / trucks			well suited	well suited	well suited	well suited
a Heavy or medium sized stripping with occasional usage of handheld tool			suitable	well suited		well suited
<b>COMPONENT CLEANING</b>						
l Hand-held tools (spray gun/spray lance)	well suited	well suited		suitable		
m Cleaning with mechanically supported tools	suitable	suitable		well suited		suitable
h Robot usage, large tools			well suited	well suited	well suited	well suited
a Robot usage with part occasional usage of handheld tools			suitable	well suited		well suited
<b>CONCRETE REHABILITATION / SURFACE TREATMENT</b>						
l Small areas with hand-held tools	well suited	well suited		well suited		
m Medium-sized areas with mechan. guided hand-held tools or multi gun ope.	well suited	well suited		well suited		well suited
h Removal and surface treatment of large areas with removal robots			well suited	well suited	well suited	well suited
a Large areas with supporting use of hand held tools			suitable	well suited		well suited
<b>HEAT EXCHANGER CLEANING</b>						
l Cleaning with hand-held lances/tools	well suited	well suited		suitable		suitable
m Cleaning with mechanically supported lances/tools	suitable	suitable		well suited		well suited
h Cleaning using multiple lances/lance machines			well suited	well suited	well suited	well suited
a Multi lance use with energy efficient occasional use of spray guns			suitable	well suited		well suited
<b>HIGH PRESSURE CLEANING</b>						
l High-pressure cleaning with a hand-held spray gun/lance	well suited	well suited		well suited		suitable
m High-pressure cleaning with mechanically secured, hand-held tools	suitable	suitable		well suited		well suited
h High-pressure cleaning with robots, using mechanically guided tools			well suited	well suited	well suited	well suited
a			suitable	well suited		well suited

well suited  
 suitable  
 unsuitable

l = light – low pressure  
 m = middle – moderate pressure  
 h = high – high pressure  
 a = all pressure types

	180T	250	450	450 a	550	550 a
<b>VESSEL CLEANING WITH TANK CLEANING HEADS</b>						
l Cleaning of smaller vessels	well suited	well suited		suitable		
m Cleaning of vessels with medium to large diameters	suitable	well suited		well suited		
h Cleaning of vessels with very large diameters			well suited	well suited	well suited	well suited
a Cleaning of vessels with larger variability		suitable	well suited	well suited	well suited	well suited
<b>PLANT CLEANING</b>						
l Cleaning with hand-held tools (spray gun/lance)	well suited	well suited		suitable		
m High-pressure cleaning with mechanically secured hand-held tools	suitable	well suited		suitable		
h High-pressure cleaning with robots, using mechanically guided tools			well suited	well suited	well suited	well suited
a Robot or guided tool cleaning with occasional use of spray guns		suitable	well suited	well suited	well suited	well suited
<b>PIPE CLEANING</b>						
l Pipe cleaning with smaller to medium diameters and small to m. lengths	well suited	well suited		suitable		
m Pipe cleaning with large diameter and long length	suitable	suitable		well suited		well suited
h Pipe cleaning with very large diameter and long length			well suited	well suited	well suited	well suited
a			well suited	well suited	well suited	well suited
<b>RUBBER REMOVAL</b>						
l Smaller areas using hand-held tools (spray gun/lance)	well suited	well suited		suitable		
m Smaller to medium-sized areas with hand-held surface cleaning equipment	well suited	well suited		suitable		
h Large to very large areas with large cleaning machines or robots			well suited	well suited	well suited	well suited
a			well suited	well suited	well suited	well suited
<b>RUST STRIPPING</b>						
l High-pressure derusting with hand-held tools (spray gun/spray lance)	well suited	well suited		suitable		
m High-pressure derusting with mechanically secured hand-held tools	well suited	well suited		well suited		suitable
h High-pressure derusting with robots, using mechanically guided tools	suitable	suitable	well suited	well suited	well suited	well suited
a	suitable	suitable	well suited	well suited	well suited	well suited
<b>WELL REGENERATION</b>						
l Cleaning with hand-held tools (spray gun/lance, surface cleaner)	well suited	well suited		suitable		
m Cleaning with rotating nozzles	well suited	well suited		well suited		suitable
h Renov. using hose reels + rotary feedthr. units, RWK, TWK, rotating 2D noz.			well suited	well suited	well suited	well suited
a full range of well sizes	suitable	suitable	well suited	well suited	well suited	well suited



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