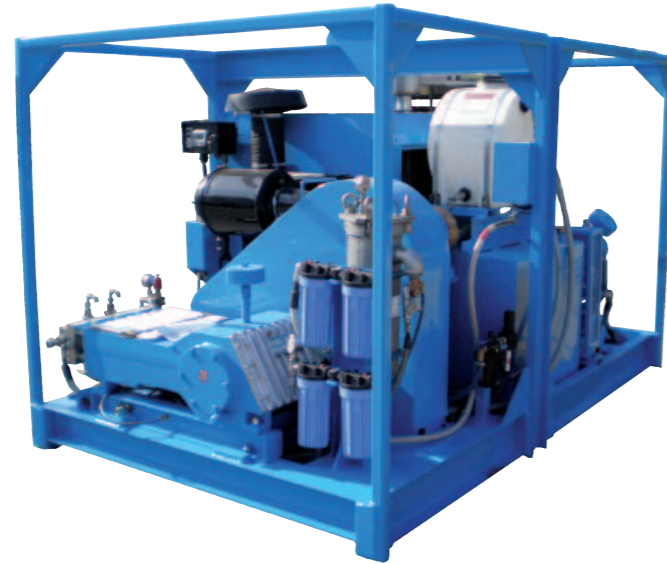


GA Series Water Jetting Pumps



GA Series for Surface Preparation

The GA series pump is our most popular and versatile pump available for a wide range of applications including; industrial cleaning, surface preparation and hydrostatic testing. It comes in 75 hp to 250 hp models and is used for all types of surface preparation.

The GA 150 is qualified for subsea applications such as surface preparation, repairing underwater piping and is used by subsea and offshore marine contractors.



Standard Features

- **PUMP**
Horizontal, valve-in-line plunger.
- **SUCTION PLUMBING**
Washable strainer and large capacity stainless steel bag type filter for up to 20.000 psi. 40.000 psi units equipped with 1 and 5 micron filters and charge pump.
- **DRIVER**
Diesel, gasoline, electric or hydraulic.
- **POWER TRANSMISSION**
Synchronous drive.
- **FINISH**
Zinc primed with enamel top coat of Aqua-Dyne Blue or customer specified color.
- **DISCHARGE PLUMBING**
Discharge manifold with interchangeable high pressure discharge connections, stainless steel glycerin filled pressure gauge and snubber assembly, and relief valve or rupture disc.
- **UNIT MOUNTING**
Trailer, skid, frame, or cabinet.

The GA Pump has led the Water Energy Industry through the use of modern materials, design and manufacturing know-how to provide an outstanding mix of performance, power, and versatility in applications of up to 250 hp at pressures up to 40.000 psi.

The GA Series is a horizontal triplex positive displacement, valve-in-line pump with sectionalized stainless steel fluid cylinders, solid ceramic plungers (optional plungers available), stainless steel valves and seats with self-adjusting spring loaded advanced proprietary polymer packing.

The plungers and packing are driplless closed loop, pressure water lubricated. The novel use of needle roller bearing on the GA Series Pump oscillating wrist pin keeps the power end oil cool and facilitates higher running speeds, earning this pump a world wide reputation for durability and performance.



KMT Aqua-Dyne KMT. Creating value through precision.

Trained and Certified Technicians

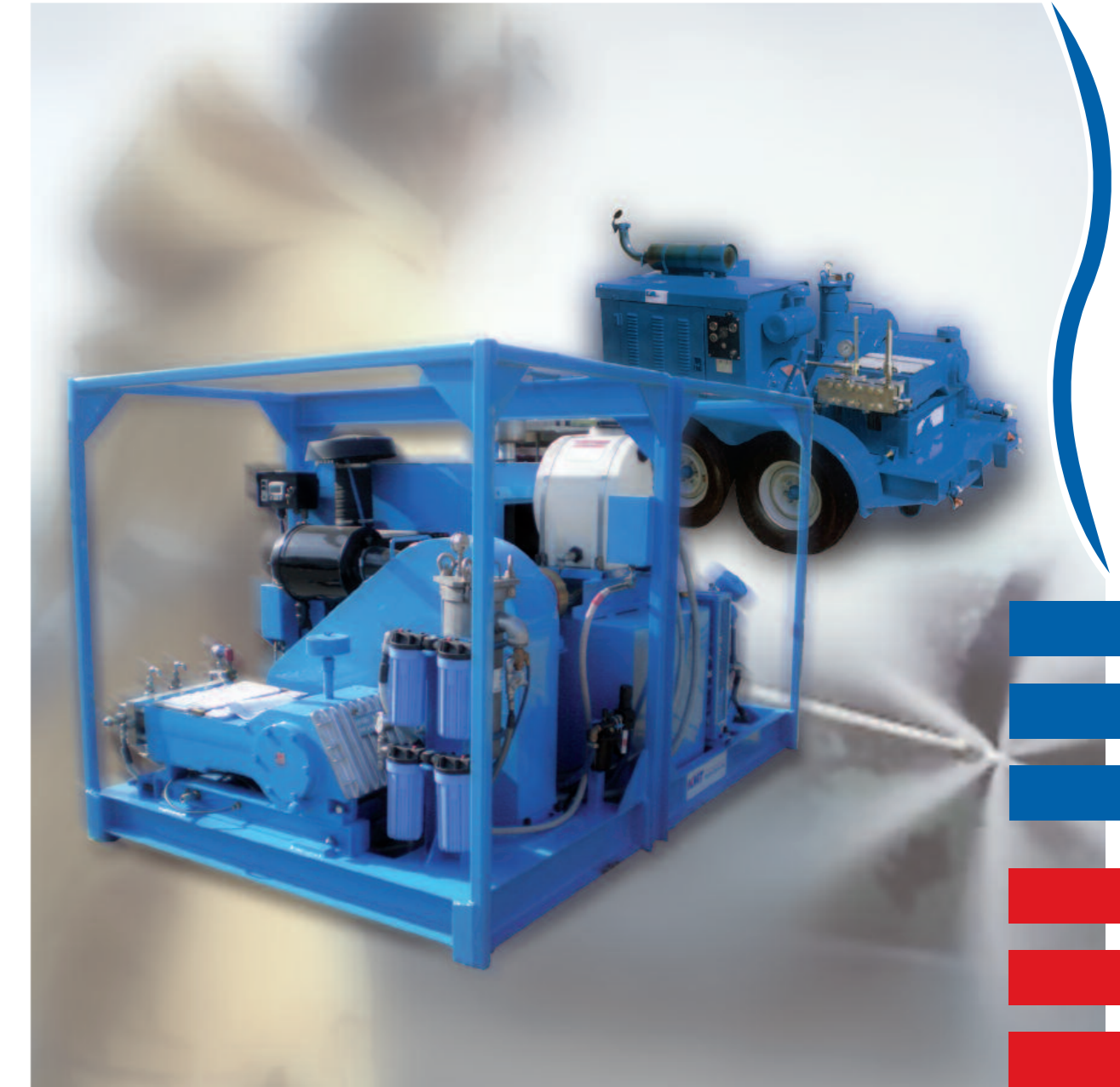
Worldwide Sales and Support Network

State-of-the-art Research and Development Center

Highest Quality Products Made Using the Most Advanced Processes

A Focus on Advancement of Our Customers

Ultra High Pressure Units KMT Aqua-Dyne GA 200/250 High pressure waterjetting unit for marine surface preparation



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KMT Aqua-Dyne

KMT Aqua-Dyne – your specialist for High Pressure Cleaning and Surface Preparation



KMT Aqua-Dyne Inc is a leading manufacturer of high pressure water jetting systems, pumps and accessories and relies on its 35 years of experience to design

High Pressure Water Jetting Systems

KMT Aqua-Dyne Inc Water Jetting pumps are built to last and offer a lower cost of operation with our optimized modular fluid-end and in-line valve design.

Our line of water jetting pumps range from 5 hp to 500 hp, pressures from 1,000 psi to 40,000 psi and flow rates from 21 gpm to 363 gpm. Pumps are available in frame, skid, trailer or bare shaft models. All designed with efficiency, ease of use and easy to maintain for all surface cleaning or high pressure industrial cleaning applications.

The GA series pump is our most popular and versatile pump available for a wide range of applications including; industrial cleaning, surface preparation and hydrostatic testing.

Benefits of waterjetting:

- meets SA2.5 Standards
- environmentally safe
- dust and hazardous free
- minimal or no clean-up is required
- no profile is left
- substrate from base material will not be removed
- process does not require area confinement as there is no dust generated

and build high pressure water jetting and water blasting systems that are dependable, robust and easy to maintain.

The GA 200 and 250 Units are used in the following applications

Marine

- Removal of marine growth, barnacles, loose paint and rust on ship hulls, docks, ballasts, platforms, storage tanks and boilers. Underwater cleaning of pipe and drilling platforms

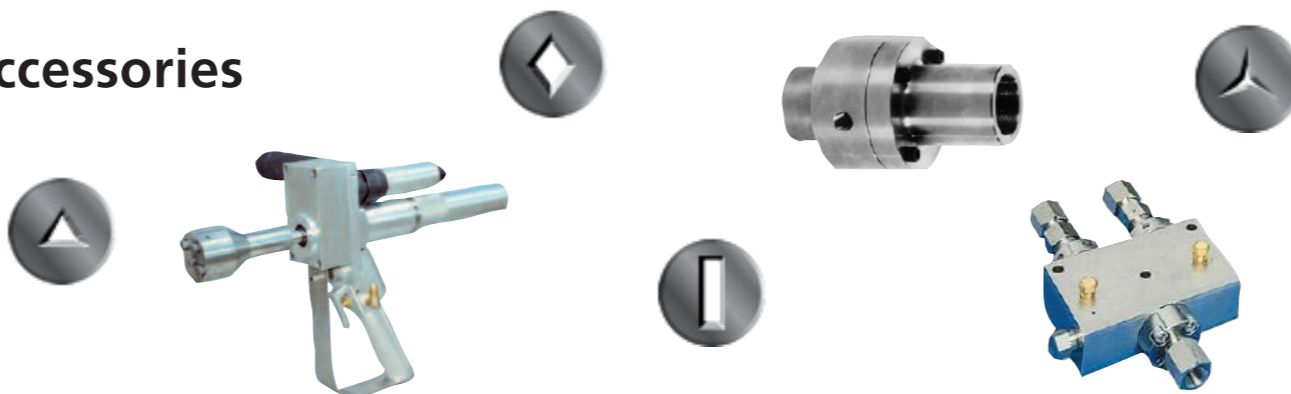
Oilfield

- Paraffin and crude residues on platforms and storage tanks. Removal of drilling mud and cement from drilling pipes. Surface preparation for repainting. Hydrostatic testing of hoses, pipes and fittings

Pipe Industry

- Removal of rust and varnish from industrial pipes prior to recoating and removal of dope and oil from pipe threads for inspection

Accessories



KMT Aqua-Dyne water jetting accessories can help you get the job done easier, faster and safer. Our tools and accessories are designed for increasing productivity and lowering operating costs.

Water Jetting Guns

KMT Aqua-Dyne's water jetting guns are designed to minimize trigger pull while ensuring that the release of the trigger will quickly reduce the system pressure to a minimum. All wetted parts are of stainless steel construction. We manufacture all of the gun parts, so replacement parts are continually being produced and stocked for quick and easy maintenance.

Water Jetting Nozzles and Holders

KMT Aqua-Dyne provides conventional nozzles but is shaping the future with our line of shape jet nozzles. Increase the power of your water jetting machine up to 40% by simply replacing the nozzle. Of all the components of water jetting the nozzle is the forgotten accessory, yet the nozzle is what

Our equipment has shown from field experience an increase of up to 40% more efficient than similar competitive equipment.

creates the pressure and allows for efficient cutting or cleaning. The type and shape of the nozzle directly affects the efficiency and effectiveness of your overall operation.

High Pressure Hoses and Lances

Wide range of hoses and lances for 5,000 psi to 40,000 psi applications.

High Pressure Water Jetting Specialty tools

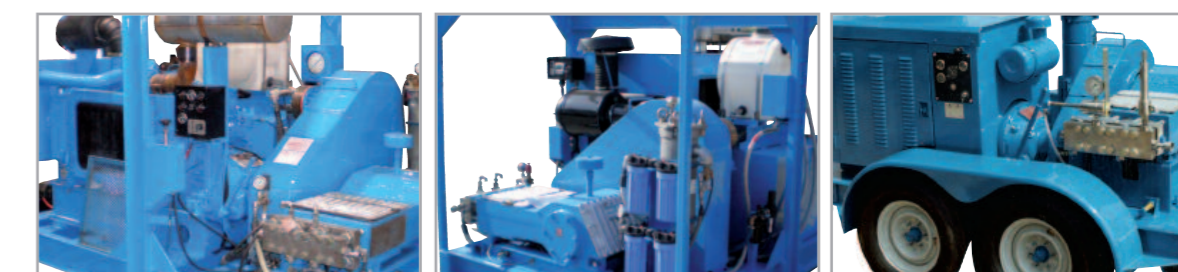
KMT Aqua-Dyne also has the experience to design and build specialty systems for your standard or unique applications and needs. We also have all the needed accessories such as rotary unions, cutting heads, nozzles and hoses.



Technical Datas

Performance Range	GA 200		GA 250	
	Pressure PSI [Bar]	Flow Rate GPM [LPM]	Flow rate GPM [LPM]	Flow rate GPM [LPM]
40.000	[2.758]	8.57 [32.44]	10.71 [40.54]	
20.000	[1.379]	17.14 [64.88]	21.43 [81.12]	
15.000	[1.034]	22.85 [86.50]	28.57 [108.15]	
10.000	[589]	34.28 [129.76]	42.85 [162.20]	
5.000	[345]	68.56 [259.52]	85.70 [324.41]	

Flow rates are theoretical based on 100% volumetric and mechanical efficiency



Fluid End

Fluid Cylinders: Proprietarily treated stainless steel is standard, other materials available to suit applications.

Valves and Seats: Proprietarily treated stainless steel enhances the Valve In-Line life and eliminates breakage. All Valves may be reconditioned by field lapping or surface grinding.

Plungers: Non-scoring, solid alumina ceramic for up to 20,000 psi. Proprietary solid carbide or ceramic for up to 40,000 psi.

Packing: Self-adjusting advanced proprietary polymer material for up to 20,000 psi. New low load (patent pending) design for up to 40,000 psi.

Lubrication: Plungers and packings are non-drip, closed loop pressure lubricated by fluid from suction manifolds. No external lubrication is necessary.

Manifolds: Individual light weight suction and discharge Manifolds are easily removed for simple maintenance. Different materials available to suit applications.

Power End

Power Frame: Iron alloy casting with sturdily ribbed wall sections.

Crankshaft: Aircraft quality alloy steel induction hardened journals, may extend from either side.

Crankshaft Bearings: Heavy duty high speed journal Bearings (non-babbitt).

Crossheads: Cylindrical type nodular iron. Wrist pin is case hardened and ground steel with double needle roller bearings. Extension Rods are burnished stainless steel.

Lubrication: Power end parts are splash oil lubricated. Cooling and filtering oil circulation system optional for higher horsepower.

Connecting Rods: High strength, ribbed section, ductile iron.

Oil Wiper Seals: Easily replaceable, double lip.