

NEW!

KMT Waterjet Systems

NEOLine™ 40i Intensifier & NEOLine™ 10d Direct Drive Waterjet Pumps

The Perfect Solution for Job Shop Cutting

The KMT Waterjet NEOLine™ Series Pumps are the NEW Low Cost Option for Multiple Waterjet Cutting Applications.

The KMT Waterjet NEOLine™ 40i pump uses KMT proven intensifier technology for superior performance with less maintenance. The KMT NEOLine™ 10d direct drive pump is specifically designed as a low-cost solution for light duty cutting & limited applications.

The durable and reliable NEOLine™ 40i pump is ideally suited for small job shops, sign & automotive shops requiring the versatility and flexibility found only with waterjet cutting.

The NEOLine™ 40i features a new, low profile cabinetry design for easy access to pump controls and components along with 55,000psi operating pressure to cut steel, glass, plastic, aluminum, stone and much more.

KMT NEOLine™ 40i Pump Includes:

- 40hp Three-phase Pump Motor
- Streamline™ SL-IV Intensifier w/Long Seal Life
- Low Inlet Water Pressure Safety Switch (30psi)
- 55,000psi Operating Design Pressure
- Variable Displacement Axial Piston Pump
- Continuous Recirculation Pump for Cooling System
- Manual Pressure Control
- Hi-Temp/Low Level Oil Safety Switch
- Oil/Water Heat Exchanger
- Auto Bleed Down Valve
- Vibration Isolation Pads on Motor
- Oil Temperature/Level Sight Gauge
- PLC Based Controls w/User-friendly Operator Interface
- Basic Control for Pump On/Off, E-Stop
- Cooling Water Modulating Valve (Oil/Water Heat Exchanger)
- Dual Pressure Compensator Included
- **Optional** Booster Pump w/10 micron Filter

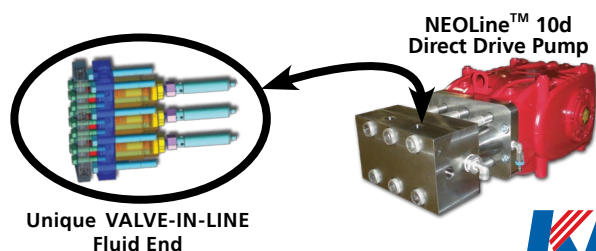


The key to the NEOLine™ 10d's long pump life & hundreds of hours of trouble-free operation are low load packing, special filtration, a closed loop non-drip cooling & water lubrication system for the ceramic plungers.

The individual lightweight suction and discharge manifolds are easily removed for routine maintenance, and field changing the packing or plungers takes five minutes with no special tools required.

KMT NEOLine™ 10d Pump Includes:

- Self-contained, minimum-footprint, skid mounted unit.
- 10 hp, TEFC motor, 460V three phase.
- 3 state of the art ceramic plungers, extends packing life.
- Ceramic suction valves and stainless steel discharge valves are lapped flat to ensure long life and efficient, sealing.
- The combined suction discharge manifold is easily removed for quick, routine maintenance with no special tools required.
- 0.34 gpm at 40,000 psi.
- Unique VALVE-IN-LINE Fluid End Design Provides Higher Volumetric Efficiency For Increased Productivity & Lower Operating Costs.
- Superior Design Of The Fluid End Delivers Up To 15% Increase In Productivity, higher volumetric efficiency, lower maintenance, quick packing changes and low initial cost over conventional fluid ends available.



SYSTEM INFORMATION

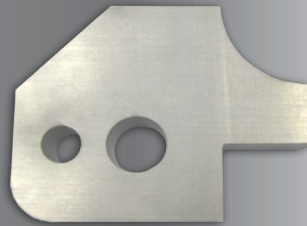
NEOLine™ 40i



NEOLine™ 10d



Nominal Power Rate	40hp (29 kW)	10hp (7.5 kW)
Max. Continuous Pressure	55,000 psi (3.800 bar)	40,000 psi (2.757 bar)
Max. Water Flow Rate	0.72 gpm (2.73 L/min)	0.34 gpm (1.29 L/min)
Max. Single Orifice Dia. (@ full pressure)	.012 in. (0.30 mm)	.010 in. (0.25 mm)
Control Voltage & Power Supply	24V DC; 5 Amps DC	N/A
Ambient Operating Temperature	Min. 40°F (5° C), Max. 104°F (40° C)	Min. 40°F (5° C), Max. 104°F (40° C)
Hydraulic Reservoir Capacity	32 gal (121 L)	N/A
Cooling Water Flow @ 75° (24° C) Water Temp.	<3 gpm (11.4 L/min)	N/A
Attenuator Volume	.26 gal (1L)	N/A
Length	56.53" (143.59 cm)	48" (121.92 cm)
Width	42.31" (107.47 cm)	24" (60.96 cm)
Height	39.55" (100.46 cm)	21" (53.34 cm)
Weight	2,150 lbs. (975.22 kg)	1,200 lbs. (544.31 kg)



The KMT Waterjet Family of Products

The NEOLine™ waterjet pumps are designed to work with the complete line of KMT Waterjet cutting head components and abrasive management systems.

Please call to discuss your applications or to receive more information on any high pressure component. KMT Waterjet has a network of trained and certified technicians available to provide Cutting Edge Solutions.



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