

Reliability in Pumps SRP INTENSIFIER

Larger Volumes of High Pressure Water



Overview

For companies that need a stronger, more reliable source of high pressure water in higher volumes, KMT Waterjet offers the new SRP pump. It delivers up to 2.8 gallons per minute at 35,000 psi with a 100 hp motor and a single intensifier.

KMT Waterjet's experience in extreme pressure equipment for waterjet cutting, dating back to the late 1960's, has been leveraged to produce a new, very reliable high-output pump for applications that require higher volumes of water. The new hydraulic-driven pump, with a 10-minute seal change design, is much easier to maintain and blows the doors off any direct-drive or triplex pump for continuous production of high pressure water.

The operating cost of the SRP pump is far lower than other types of pumps because the hydraulic design reduces component wear.

These KMT Waterjet pumps, like the others in the Streamline™ family, include exclusive options including room for a redundant intensifier and the Equalizer multi-pump balancing system.

SRP Features

Hydraulic-Driven - Hydraulic pumps provide three primary benefits:

1. Higher Reliability while maintaining strong performance.
2. Slower Stoking Design for longer seal life and lower operating costs.
3. Reduced Stoking by pumping only when high pressure water is needed, conserves water and reduces the need for maintenance.

Leverages Proven, Advanced Technology of Streamline™ Pumps

- Designs use KMT's 35-year-plus waterjet experience (more than any other company). Other products include extreme pressure (60,000 psi) pumps.

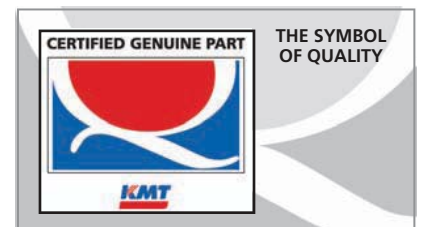
Designed for Ease-of-Use - "Thread-together" intensifier design, for fastest, 10-minute seal changes.

Ready to Go - These machines are ready to go and include filters, control panel / computer, inlet boost pump, accumulator, see-through cover, and more.

The KMT Waterjet Family of Products

The reliable SRP Intensifier Pump was designed to work with the complete line of KMT Waterjet cutting head components and the new STREAMLINE™ SL-V line of pumps. This new line of pumps is available in more sizes and with state-of-the-art features.

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".



System Information	SRP100
Nominal Power Rate	100hp
Maximum Continuous Pressure	35000 psi / 2413 bar
Maximum High Pressure Water Output	2.8 gpm / 10.6 lpm
Maximum Single Orifice Diameter	0.026" / 0.66 mm
Number of Language Options on Display (English, Spanish, German, Italian, Swedish)	5
Control Voltage & Power Supply	24 VDC
Maximum Noise Level/Operator's Noise Level	77.5 dB(A)
Ambient Operating Temperature	40-100 F / 4-38 C
Length (inches)	78" / 1981 mm
Width (inches)	36" / 914 mm
Height (inches)	57" / 1448 mm
Weight (with oil)	4200 lbs / 1905 kg
Cutting Water	
Minimum Inlet Cutting Water Flow	11gpm / 41.6 lpm
Minimum Inlet Cutting Water Pressure (psi)	35 psi / 2.4 bar
Plunger Diameter (inches)	1.5" / 38.1 mm
Maximum Nominal Strokes per Minute	55
Accumulator Volume	0.5 gpm / 2 liter
Hydraulic System	
Maximum Hydraulic Pressure (at max water pressure)	2850 psi / 197 bar
Hydraulic Reservoir Capacity	48 gal / 181.7 lpm
Hydraulic Pump Flow Rate at Max Output	38 gpm / 143.9 lpm
Cooling System	
Minimum Cooling Water Pressure	35 psi / 2.5 bar
Options & Other Features	
Booster Pump (adjustable & protected)	standard
Energy Saving Soft Start	option
Redundant Topworks	option
Proportional Control	option
Remote Online Diagnostics (via Modem)	option
<i>EQUALIZER Multi-pump Balancing Kit</i>	option



SRP Intensifiers Added to Streamline™ Group

- Strong, Reliable Pumps** — Hydraulic-driven for longer seal life and longer production runs.
- Redundant Option** — Provides a backup system for the most reliable operation, short of buying a complete backup pump.
- Lower Operating Cost** — Pumps only stroke when pressure drops, extending seal life, reducing cost.
- Fewer Cylinders** — Just one intensifier does the work, leaving room for an optional backup (redundant) intensifier.
- Same, Proven Technology as on the Other Pumps** — KMT Waterjet's experience dates back 35 years; the pumps are used by more system builders than any other.
- **Easier to Maintain** — Thread-together cylinder design for easy access to components, seals and parts.

Authorized Representative:



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