

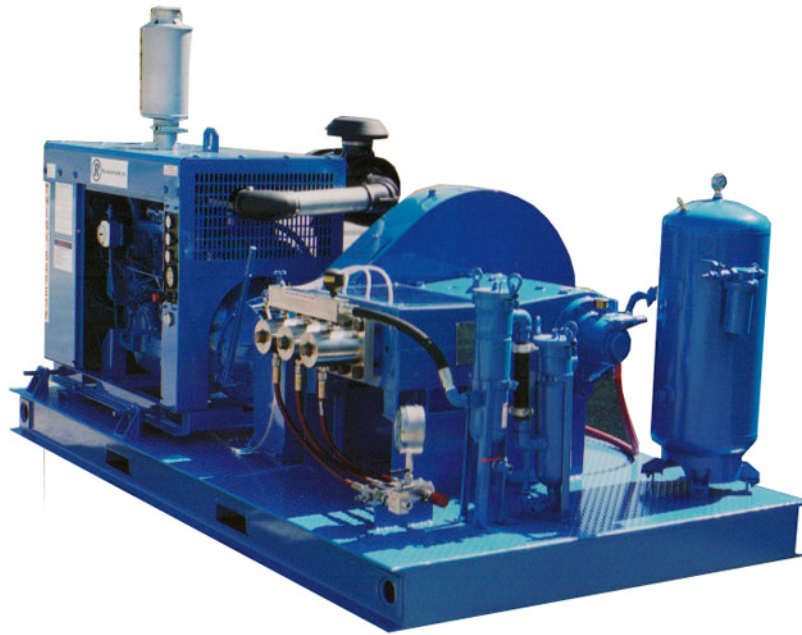


**Reliable Pumps
Consultants**

40k UHP Blaster

Up To 350 hp

Flow rates from 3.9 to 12 GPM



The most affordable, versatile, and maintenance friendly UHP in the industry. The inline design has given Reliable advantages when it comes to dependability as the more you use it, the better it performs. Optional equipment such as booster pumps, water tanks, v-belt drives, or other features can be custom designed.

Unit	Pressure		Flow		Power		Plunger	
Model	psi	bar	gpm	lpm	hp	kw	in	mm
RD 100 UHP	40,000	2,069	3.44	13.03	90	68	.500	12.7
	30,000	2,759	3.44	20.34	90	68	.625	15.87
RD 300 UHP	40,000	2,759	7.61	28.8	198	149	.625	15.87
RD 450 UHP	40,000	2,759	13.44	30.49	349	262	.625	15.87

Flow Rates are based on 100% volumetric efficiency; rates may vary according to pump speed.

Fluid End Features

- Tungsten Carbide Plungers exhibit greater resistance to impact damage than ceramic plungers, and feature a mirror-like polished finish for reduced packing wear, and compatible with a wide range of fluids.
- Special High Density Packing features high wear resistance, and is spring loaded for automatic wear adjustment.
- Suction Manifold is machined stainless for high strength and corrosion resistance for a wide range of fluids.
- Pressure Treated Stuffing Boxes machined from proprietary material resist stress fractures under the most extreme conditions, and feature a generous bore to accommodate plungers for 20,000 psi operation at a higher flow without having to change major components.
- Pressure Treated proprietary Discharge Manifold is stress fracture resistant and is easily moved without disturbing other major components. Stainless material is corrosion resistant to most commonly pumped fluids.
- Inline Valves are heat treated Stainless for wear resistance and feature a high flow coefficient with minimal pressure drop characteristics for higher pump efficiency.
- Clamp Plate allows for adaptation to virtually any power end via direct bolt-up or adapting plate arrangement.

Power End Features

- Single Piece cast iron construction provides extra strength and durability, and contributes to aggressive rod loads in conjunction with the forged crankshaft.
- Cast iron piston-type crossheads for optimum alignment.
- Ground and polished chrome collet-style Plunger Adapters for optimum alignment.
- Ductile iron connecting rods for accuracy and strength incorporate split insert bearings and replaceable wrist pin bushings.
- Forged Crankshaft for high rod loads, tensile strength, and endurance. Incorporates tapered roller bearings for minimizing side thrust loads.
- Oil level sight/switchgauge for protection from low/dry operation, and visually detect water contamination.

**Efficiency + Durability +
Reliability + Low Maintenance
= Operating Profits**



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