



THE-500UH

Pressures to 50,000 PSI
Flows to 9 GPM • Power to 250 HP

Features

- ◆ Pressure range to 50,000 PSI
- ◆ Inline fluid end design.
- ◆ Flow rates to 9 GPM.
- ◆ Maximum frame load of 44,000 Lbs.
- ◆ High volumetric efficiency for maximum horsepower utilization.
- ◆ Field proven design.
- ◆ Easy field maintenance.
- ◆ Stainless steel fluid end construction.
- ◆ Manufactured on state-of-the-art machinery.
- ◆ Rigorously subjected to full load testing.
- ◆ Pump attached gear box.
- ◆ Available in single speed or transmission units.



Applications

- ◆ Water Blasting
- ◆ Chemical Injection
- ◆ Surface Preparation
- ◆ Water or Water/Abrasive Jet Cutting

Performance Specifications

	MAX. PRESSURE			FLOW			
				180 RPM		232 RPM	
	PLUNGER DIA.	PSI	BAR	GPM	LPM	GPM	LPM
THE-500UH at 200 HP	0.875" - 22.23mm	50K	3448	7.2	27.2	N/A	N/A
	0.875" - 22.23mm	40K	2758	7.2	27.2	9.0	34.1

Note: All flows are based on 100% volumetric efficiency.

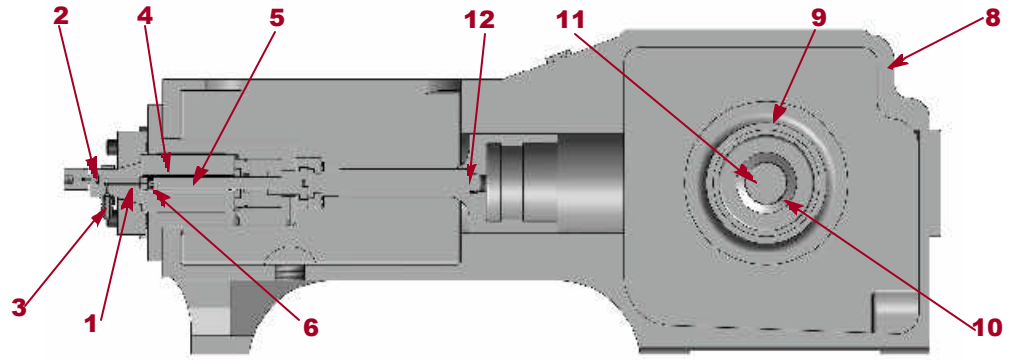
Stroke: **5" / 127 mm** • Max. Speed: **240 RPM** • Weight: **2,800 Lbs. / 1270 Kg**



GARDNER DENVER WATER JETTING SYSTEMS, INC.

Partek • Liqua-Blaster • CRS Power Flow • Jetting Systems • American Water Blaster

THE-500UH PUMP



Fluid End

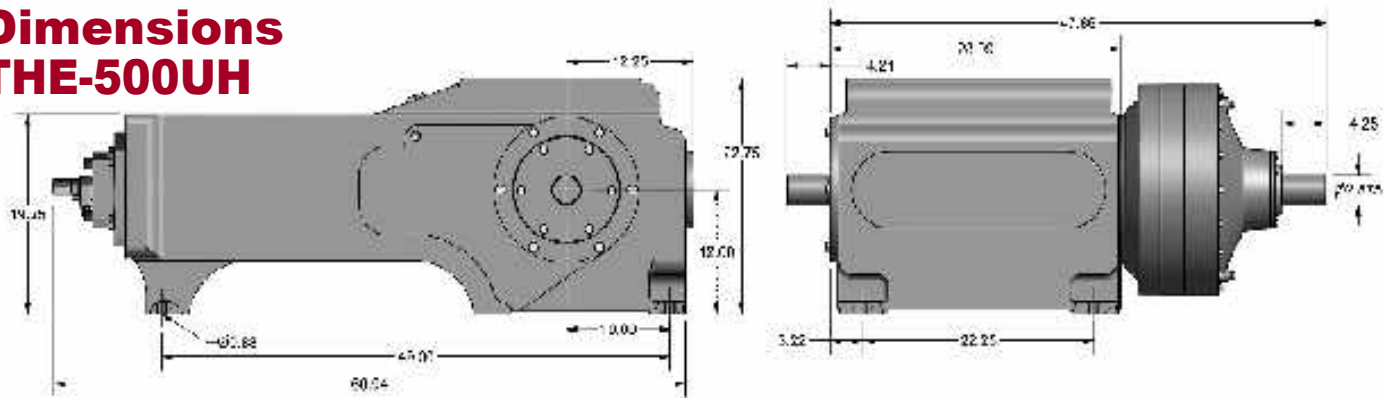
1. **Fluid Cylinder Body:** Three cylinders machined from hardened stainless steel and autofrettaged for extended life.
2. **Valves:** Heat-treated stainless steel, spring-loaded for positive closing. All valves are machined, heat-treated and ground.
3. **Suction Manifold:** Stainless steel.
4. **Stuffing Boxes:** Machined from heat treated stainless steel.
5. **Plungers:** Solid tungsten carbide.
6. **Plunger Packing:** Multiple element chevron style, spring-loaded and self-adjusting. Easily replaceable. Force-fed oil provides superior lubrication.
7. **Pressure Relief:** Pressure safety head assembly (two rupture discs). (Not shown.)

Power End

8. **Power Frame:** Manufactured from a single piece casting of high strength gray cast iron.
9. **Eccentric Construction.**
10. **Lubrication:** Power end pressure lubricated via engine driven oil pump (not supplied).
11. **Shaft:** Left or right hand keyed shaft extension.
12. **Rods & Bearings:** Solid connecting rods. Bronze rod and eccentric bearings.

Bearings, crossheads and gearbox are forced oil lubricated and cooled to insure adequate circulation at low RPMs.

Dimensions THE-500UH



Gardner Denver Water Jetting Systems reserves the right to change specifications without notice.

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