

T-300UH



GARDNER DENVER

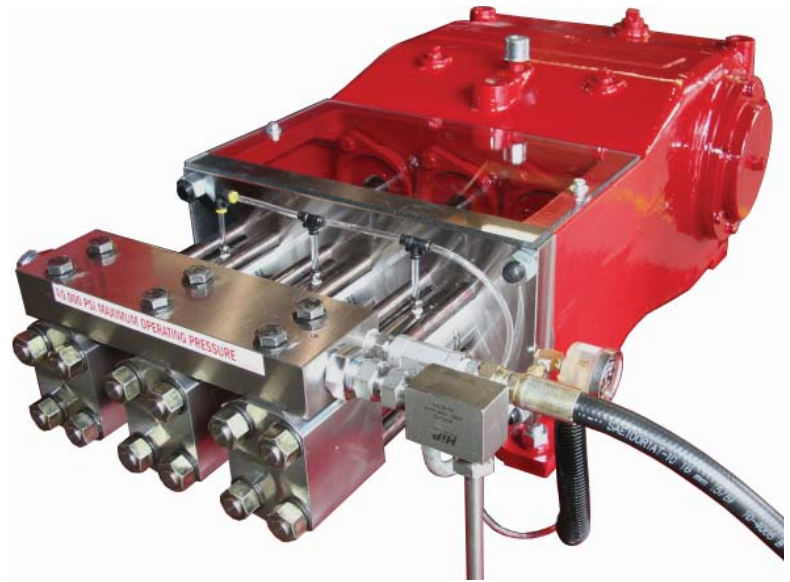
WATER JETTING
SYSTEMS, INC.

Pressures to 40,000 PSI
Flows to 4.0 GPM ♦ Power to 100 HP

Easy & Affordable Ultra-High

Features:

- ♦ Inline fluid end design.
- ♦ Pressure range to 40,000 PSI.
- ♦ Flow rates from 1.3 GPM to 4.0 GPM.
- ♦ Maximum frame load of 7,000 Lbs. / 3178 Kg.
- ♦ Field proven design.
- ♦ Easy field maintenance.
- ♦ Stainless steel fluid end construction.
- ♦ High volumetric efficiency for maximum horsepower utilization.
- ♦ Autofrettaged fluid cylinders and valve assemblies.
- ♦ Rigorously subjected to full load testing.
- ♦ Manufactured on state-of-the-art machinery.



Applications:

- ♦ Water Blasting
- ♦ Surface Preparation
- ♦ Hydrostatic Testing

Performance Specifications:

T-300UH	PLUNGER DIA.	MAX. PRESSURE		FLOW					
		PSI	Bar	200 RPM		400 RPM		500 RPM	
				GPM	LPM	GPM	LPM	GPM	LPM
0.472" - 12mm	40K	2758	1.3	4.92	2.7	10.2	4.0	15.1	

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

Stroke: 3" / 76 mm • Max. Speed: 600 RPM • Weight: 810 lbs. / 368 Kg

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

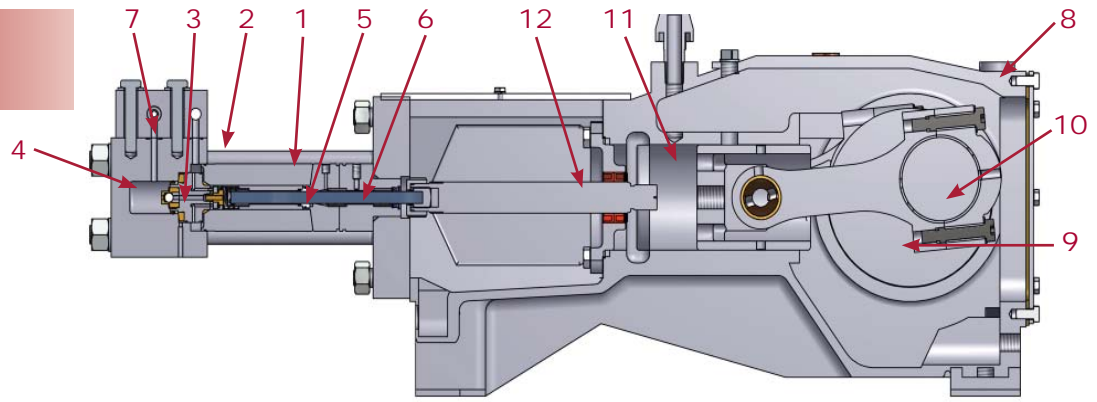
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Fluid End

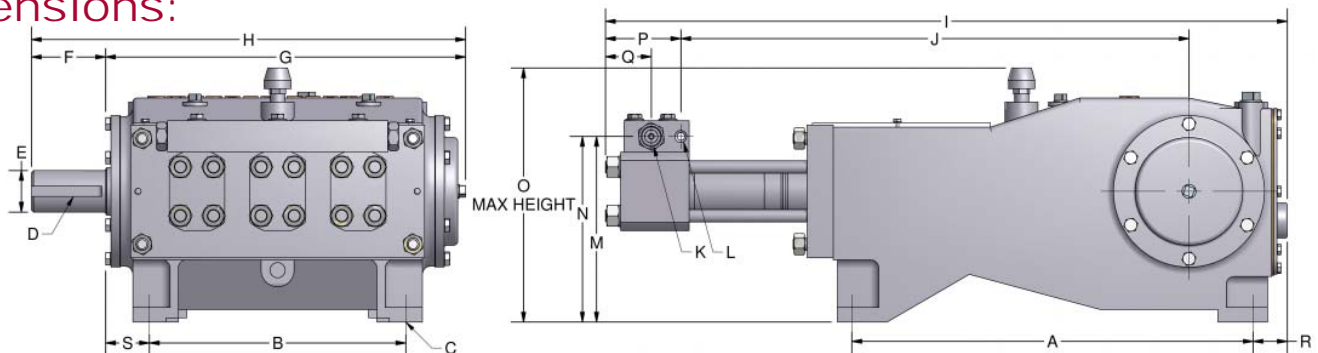
1. Fluid Cylinder Body: Three cylinders machined from hardened stainless steel and autofrettaged for extended life.
2. Suction Manifold: Hard, anodized aluminum. Also available in stainless for salt water applications.
3. Valve Assembly: Hardened stainless steel, autofrettaged for extended life. Valves are spring-loaded for positive closing with a common seat used for both suction and discharge valves.
4. Discharge Manifold: Manufactured from precipitation hardened stainless steel.
5. Plungers: Collet style and made of tungsten carbide.
6. Plunger Packing: Carbon filled Teflon™ and polyethylene base, spring-loaded, self-adjusting and easily replaceable from the rear of the stuffing box. Force-fed water provides lubrication and cooling.
7. Pressure Relief: Pressure safety head assembly (two rupture discs), mounted to the discharge manifold.

Power End

8. Power Frame: Manufactured from a single piece casting of high strength gray cast iron.
9. Crankshaft: Single extended steel with tapered roller bearings to minimize side thrust load.
10. Connecting Rods: Ductile iron with automotive type split insert bearings.
11. Crossheads: Large, piston type constructed of gray iron.
12. Diaphragm Seals: Installed with o-rings or gaskets and neoprene oil seals.

Bearings and crossheads are oil lubricated with a combined splash gravity system that insures adequate circulation at speeds as low as 200 RPM.

Dimensions:



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
In.	24 ¹ / ₄	15 ¹ / ₂	1 ³ / ₁₆	5/8	2 ¹ / ₂	4 ¹ / ₂	21 ³ / ₄	26 ¹ / ₄	41 ³ / ₁₆	30 ¹¹ / ₁₆	1" MP	1/2" NPT	11 ³ / ₁₆	11 ³ / ₁₆	15 ⁵ / ₁₆	4 ⁹ / ₁₆	2 ³ / ₄	2 ¹ / ₁₆	2 ⁵ / ₈
mm	616	394	21	16	64	114	553	667	1046	780			284	284	389	116	70	52	67

GARDNER DENVER WATER
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