

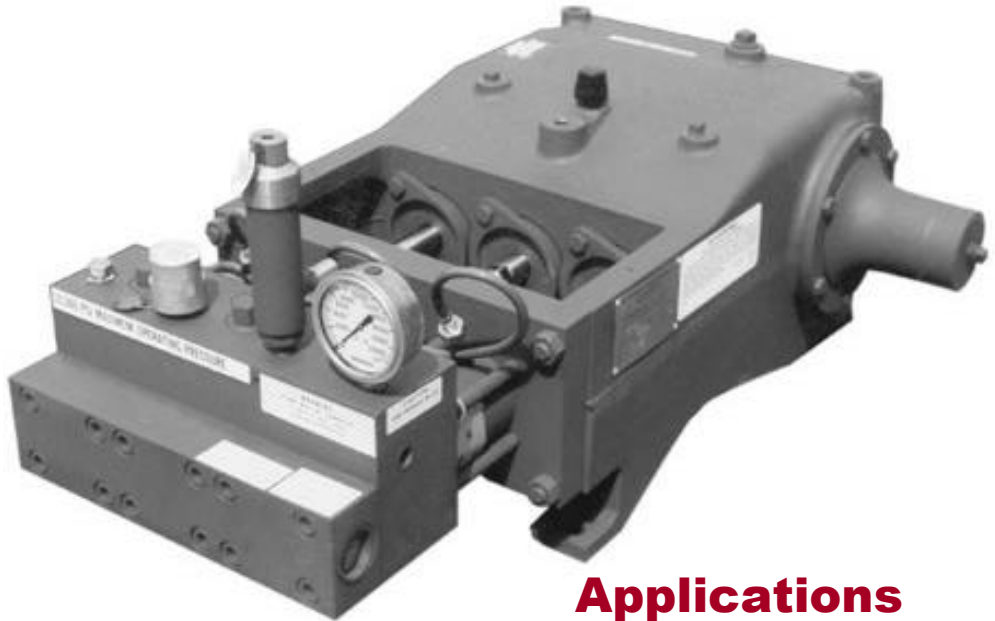


T-300M

Pressures to 15,000 PSI
Flows to 18.4 GPM • Power 100 HP

Features

- ◆ “L” fluid end design.
- ◆ Pressure range of 8,000 PSI to 15,000 PSI,
- ◆ Flow rates from 3.4 GPM to 18.4 GPM.
- ◆ High volumetric efficiency for maximum horsepower utilization.
- ◆ Maximum frame load of 7,000 Lbs. / 3178 Kg.
- ◆ Field proven design.
- ◆ Extremely reliable - thousands in service.
- ◆ Easy field maintenance.
- ◆ Available in all stainless steel fluid end construction.
- ◆ Manufactured on state-of-the-art machinery.
- ◆ Rigorously subjected to full load testing.



Applications

- ◆ Water Blasting
- ◆ Chemical Injection
- ◆ Hydrostatic Testing
- ◆ Boiler Feed

Performance Specifications

	MAX. PRESSURE			FLOW					
				200 RPM		400 RPM		600 RPM	
	PLUNGER DIA.	PSI	BAR	GPM	LPM	GPM	LPM	GPM	LPM
T-300M Note: All flows are based on 100% volumetric efficiency.	.75" - 19mm	15K	1034	3.4	12.9	6.8	25.9	10.3	39.0
	.875" - 22mm	11.5K	793	4.7	17.8	9.4	35.6	14.1	53.0
	.945" - 24mm	10K	690	5.5	21.0	10.9	41.0	16.4	62.0
	1" - 25mm	8K	552	6.1	23.1	12.2	46.2	18.4	69.6

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

GARDNER DENVER WATER JETTING SYSTEMS, INC.

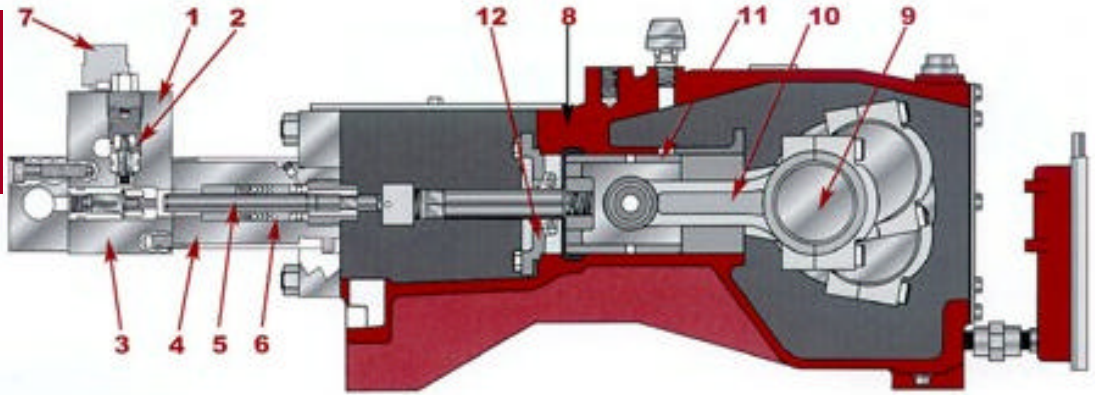
Partek • Liqua-Blaster • Geoquip • CRS Power Flow • Jetting Systems • American Waterblaster

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T-300M PUMP



Fluid End

1. **Fluid Cylinder Body:** Machined from a solid block of stainless steel. Internal cylinder bore volume is minimized and shot peened. Cylinder is autofretted for service above 12,000 PSI.
2. **Valves:** Heat-treated stainless steel, wing-guided and spring-loaded for positive closing. Valve seats are straight shoulder with o-ring seals. Both are machined, heat-treated and ground.
3. **Suction Manifold:** Anodized aluminum. Also available in stainless for salt water applications.
4. **Stuffing Boxes:** Machined from heat treated stainless steel.
5. **Plungers:** Colmonoy coated stainless steel.
6. **Plunger Packing:** Multiple element chevron style, spring-loaded and self-adjusting. Easily replaceable from the rear of the stuffing box. Force-fed water provides lubrication and cooling.

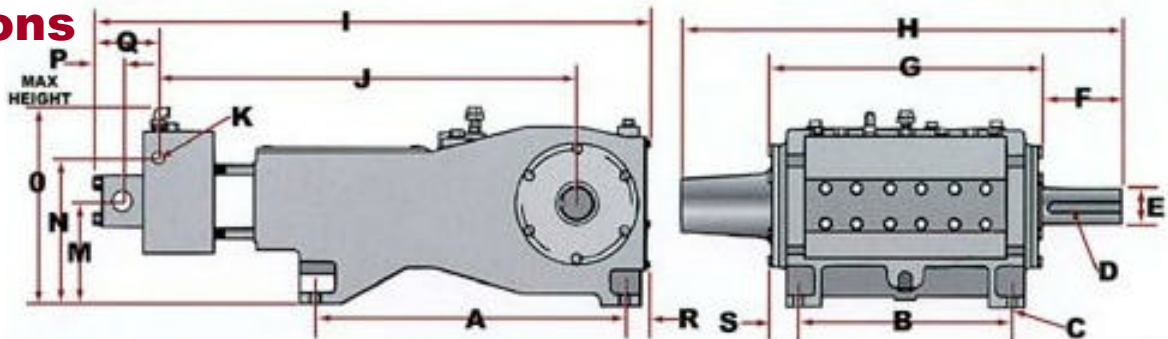
7. **Pressure Relief:** Pressure safety head assembly (rupture disc), integrally mounted in the fluid cylinder. Relief valve is included.

Power End

8. **Power Frame:** Manufactured from a single piece casting of high strength gray cast iron.
9. **Crankshaft:** Double extended cast alloy 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 T-300M



	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 ⁵ / ₈	2 ¹ / ₂	4 ³ / ₈	21	30 ¹ / ₂	41	31 ¹ / ₂	1 ¹ / ₂ NPT	1 ¹ / ₂ NPT	7 ⁷ / ₈	10 ¹ / ₄	15 ¹ / ₄	1 ¹ / ₄	4	1 ⁵ / ₈	2 ⁵ / ₈
mm	616	394	21	16	64	111	533	775	1041	800			200	260	387	32	102	41	67

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

GARDNER DENVER WATER JETTING SYSTEMS, INC.

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