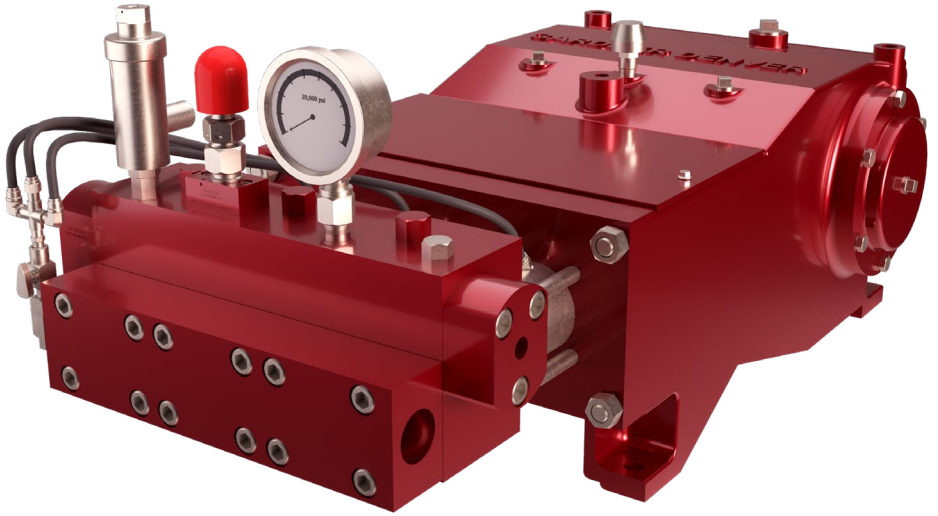
PUMPS

T-300M
WATERJETTING PUMP

STANDARD 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



SPECIFICATIONS

Weight	810 lbs. / 368 Kg
Maximum RPM	600 RPM
Stroke Length	3 in / 76 mm

APPLICATIONS

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

PLUNGER DIAMATER		MAX PRESSURE		FLOW					
				200 RPM		400 RPM		600 RPM	
in.	mm.	PSI	bar	GPM	LPM	GPM	LPM	GPM	LPM
0.75	19	15000	1034	3.4	12.9	6.8	25.9	10.3	39.0
0.875	22	11500	793	4.7	17.8	9.4	35.6	14.1	53.0
0.945	24	10000	690	5.5	21.0	10.9	41.0	16.4	62.0
1	25	8000	552	6.1	23.1	12.2	46.2	18.4	69.6

Note: All flows are based on 100% volumetric efficiency. All flows realized will vary dependent upon several factors, such as but not limited to: pump speed, pump pressure, plunger size and pumped fluid. "Typical" actual flow rates will be approximately 95% of values shown above.

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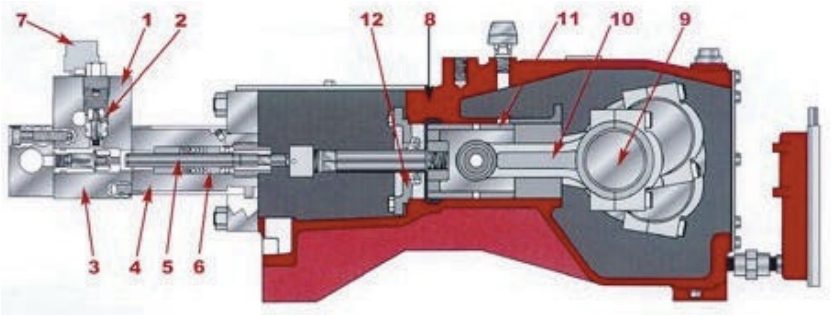

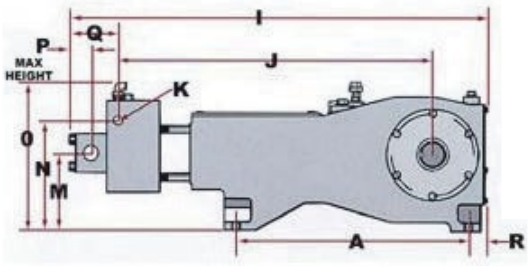

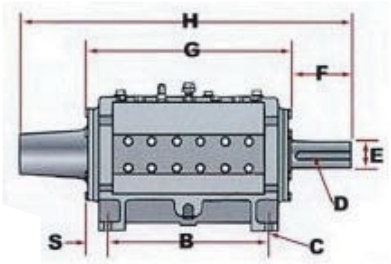

FLUID END

1. **Fluid Cylinder Body:** Machined from a solid block of stainless steel. Internal cylinder bore volume is minimized and shot peened. Cylinder is autofrettaged for service above 12,000 PSI
2. **Valves:** Heat-treated stainless steel, wingguided 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:** Single 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.
NOTE: Line drawings are available from engineering per application.

	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	13/16	5/8	2 1/2	4 3/8	21	30 1/2	41	31 1/2	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	13	64	111	533	775	1041	800			200	260	387	32	102	41	67