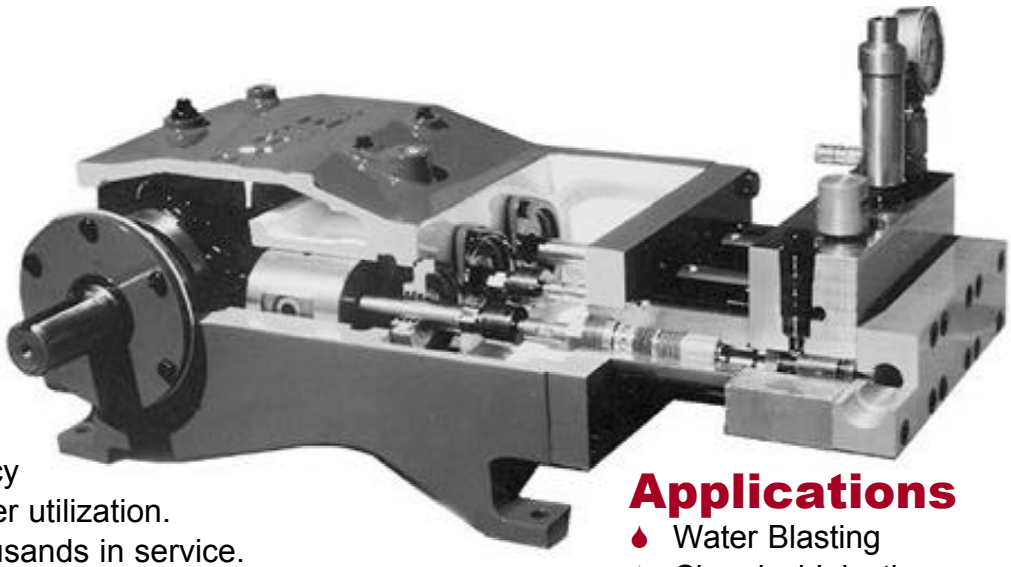
TF-375M

Pressures to 10,000 PSI
Flows to 43 GPM • Power to 200 HP

Features

- "L" fluid end design.
- Pressure range of 5,000 PSI to 10,000 PSI.
- Flow rates from 8.6 GPM to 43 GPM.
- Maximum frame load of 15,000 Lbs. / 6742 Kg for single speed.
- Field proven design.
- High volumetric efficiency for maximum horsepower utilization.
- Extremely reliable - thousands in service.
- Easy field maintenance.
- 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
- Fluid Transfer
- Process
- Homogenization
- Oilfield Services
- Reverse Osmosis

Performance Specifications

		MAX. PRESSURE		FLOW					
				200 RPM		400 RPM		500 RPM	
	PLUNGER DIA.	PSI	BAR	GPM	LPM	GPM	LPM	GPM	LPM
TF-375M at 150 hp	1.062" - 27mm	10K	690	8.6	32.7	17.3	65.4	21.6	81.7
	1.187" - 30mm	8.5K	586	10.8	40.8	21.6	81.7	27.0	102.1
	1.500" - 38mm	5K	345	17.2	65.2	34.4	130.3	43.0	162.9

		MAX. PRESSURE		FLOW			
				200 RPM	400 RPM	500 RPM	575 RPM
	PLUNGER DIA.	PSI	Bar	GPM / LPM	GPM / LPM	GPM / LPM	GPM / LPM
TF-375M at 200 hp	1.187" - 30mm	10K	690	10.8 / 40.8	21.6 / 81.7	27.0 / 102.2	31.0 / 117.4
	1.312" - 33mm	8K	552	13.0 / 49.9	26.4 / 99.8	32.9 / 124.5	37.9 / 143.4
	1.375" - 35mm	7K	483	14.5 / 54.9	29.0 / 109.8	36.3 / 137.4	41.7 / 157.8
	1.500" - 38mm	6K	413	17.2 / 65.2	34.4 / 130.3	43.0 / 162.8	N/A

Stroke: 3.75" / 95 mm • Max. Speed: 588 RPM • Weight: 1,850 Lbs. / 840 Kg

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

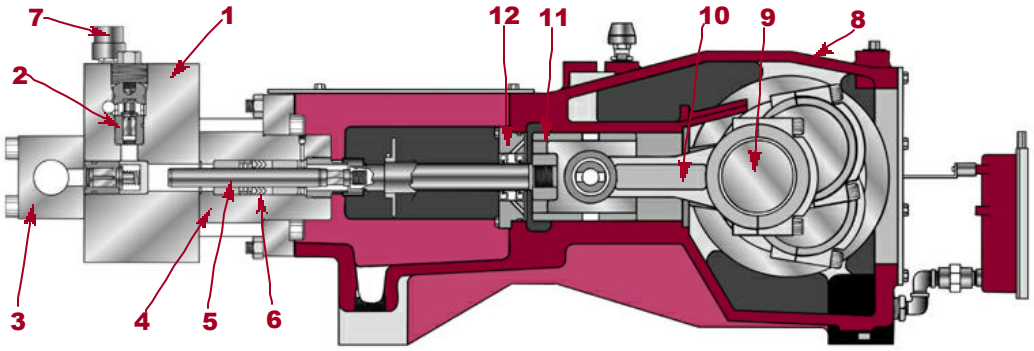
GARDNER DENVER WATER JETTING SYSTEMS, INC.

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TF-375M PUMP



Fluid End

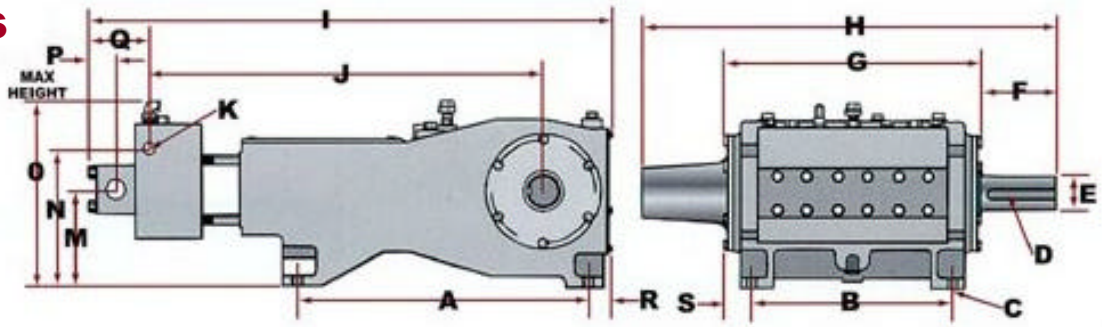
1. **Fluid Cylinder Body:** Machined from a solid block of stainless steel. Internal cylinder bore volume is minimized and shot-peened.
2. **Valves:** Heat-treated stainless steel, wing-guided and spring-loaded for positive closing. Valve seats are straight shoulder with o-ring seals. Both are machined, 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 and pressure gauge are included.

Power End

8. **Power Frame:** Manufactured from a single piece casting of high strength gray cast iron.
9. **Crankshaft:** Double extended 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 TF-375M



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
in.	30 1/4	20 1/2	1 1/16	7/8	3 1/2	7 3/4	26 1/2	42 3/4	54 1/4	47 1/4	1NPT	2NPT	10	14 1/4	19 3/8	2 7/8	6 3/8	2 1/4	3
mm	768	521	27	22	89	197	673	1086	1378	1200			254	362	492	73	162	57	76

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

GARDNER DENVER WATER JETTING SYSTEMS, INC.
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