TG-600S

Pressures to 10,000 PSI
Flows to 178 GPM • Power to 500 HP

Features

- Sectionalized “L” fluid end design.
- Pressure range from 5,000 PSI to 10,000 PSI.
- Flow rates to 178 GPM / 674 LPM.
- Maximum frame load of 70,000 Lbs. / 31752 Kg.
- Manufactured on state-of-the-art machinery.
- Easy field maintenance.
- Stainless steel fluid end construction.
- Field proven design.
- Extremely reliable.
- Rigorously subjected to full load testing.

Applications

- Water Blasting
- Chemical Injection
- Hydrostatic Testing
- Process Water Disposal



Performance Specifications

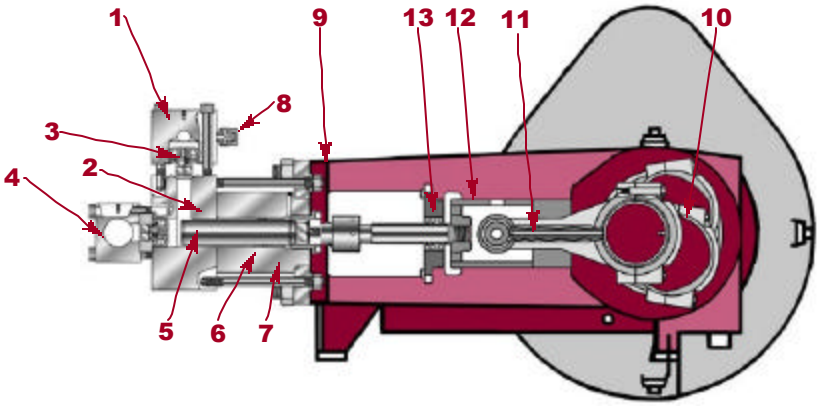
	MAX. PRESSURE	FLOW							
		100 RPM		200 RPM		300 RPM		386 RPM	
	PLUNGER DIA.	PSI/BAR	GPM/LPM	PSI/BAR	GPM/LPM	PSI/BAR	GPM/LPM	PSI/BAR	GPM/LPM
TG-600S	2.500” - 32mm	10K/689	38/144	10K/689	77/291	7.5K/517	115/435	6K/414	148/560
	2.750” - 32mm	10K/689	46/174	9K/621	93/352	6K/413	138/522	4.8K/331	178/674

Note: Pump is equipped with reduction gear.
Note: All flows are based on 100% volumetric efficiency. Pressures shown are based on single-speed performance. See unit specification sheets for pressure ratings on multi-speed units.

Stroke: 6” / 152 mm • **Max. Speed:** 386 RPM • **Weight:** 4,700 Lbs. / 2132 Kg

GARDNER DENVER WATER JETTING SYSTEMS, INC.
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TG-600S PUMP



Fluid End

1. **Discharge Manifold:** Manufactured from precipitation hardened stainless steel.
2. **Fluid Cylinder Body:** Three cylinders machined from hardened stainless steel for extended life.
3. **Valve Assembly:** Hardened stainless steel for extended life. Valves are spring-loaded for positive closing with a common seat used for both suction and discharge valves.
4. **Suction Manifold:** Hard, anodized aluminum. Also available in stainless for salt water applications.
5. **Plungers:** Collet style, made of stainless steel with colmonoy coating.
6. **Plunger Packing:** Multi-element chevron style, spring loaded, self-adjusting and easily replaceable from the rear of the stuffing box. Force-fed water provides lubrication and cooling. Other systems available.
7. **Stuffing Box:** Machined from precipitation hardened stainless steel.
8. **Pressure Relief:** Standard equipment includes a relief valve and a pressure safety head assembly (rupture disc), mounted to the discharge manifold.

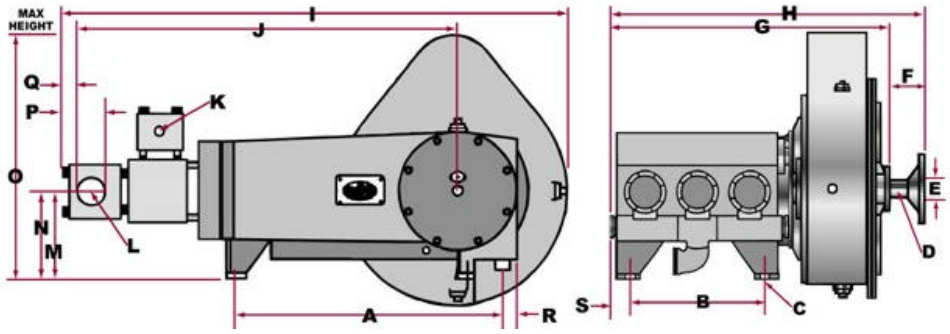
Power End

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

Reduction Gear: *Constructed of top quality AGMA steel. Hardened for strength and durability. Ratios available - 4.6:1.*

Forced Oil Lubrication System: *Unique pump feature that allows oil to be forced through a rifle-drilled crankshaft lubricating each journal, connecting rod bearings, wrist pin bearing and gear reducer bearing.*

Dimensions TG-600S



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
in.	76	29	16 3/8	31 5/8	2 1/2	39 1/2	23 1/8	13	53	34 1/2	53 7/8	3 3/8	9	3
mm	1930.4	736.6	415.9	803.28	63.5	1003.3	587.38	330.2	1346.2	876.3	1368.4	85.7	228.6	76.2

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

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Your local distributor/representative is: