



# TG-600HB

Pressures to 20,000 PSI  
Flows to 94 GPM • Power to 600 HP

## Features

- ◆ Inline fluid end design.
- ◆ Pressure range to 20,000 PSI.
- ◆ Flow rates to 94.5 GPM / 358 LPM.
- ◆ Maximum frame load of 71,000 Lbs. / 18034 Kg.
- ◆ Manufactured on state-of-the-art machinery.
- ◆ Drilled crankshaft for true forced oil lubrication.
- ◆ Designed for continuous service.
- ◆ Easy field maintenance.
- ◆ Stainless steel fluid end construction.
- ◆ Field proven design.
- ◆ Extremely reliable.
- ◆ Rigorously subjected to full load testing.

## Applications

- ◆ Water Blasting
- ◆ Concrete Demolition
- ◆ Hydrostatic Testing
- ◆ Surface Preparation



## Performance Specifications

	MAX. PRESSURE	FLOW							
		188 RPM		200 RPM		300 RPM		375 RPM	
TG-600HB	PLUNGER DIA.	PSI/BAR	GPM/LPM	PSI/BAR	GPM/LPM	PSI/BAR	GPM/LPM	PSI/BAR	GPM/LPM
	2.000" - 50.8mm	20K/1379	24/91	19.5K/1344	49/186	13K/896	73.5/278	10K/689	91.7/347

Stroke: 6" / 152 mm • Max. Speed: 375 RPM • Weight: 4,600 Lbs. / 2087 Kg

**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.

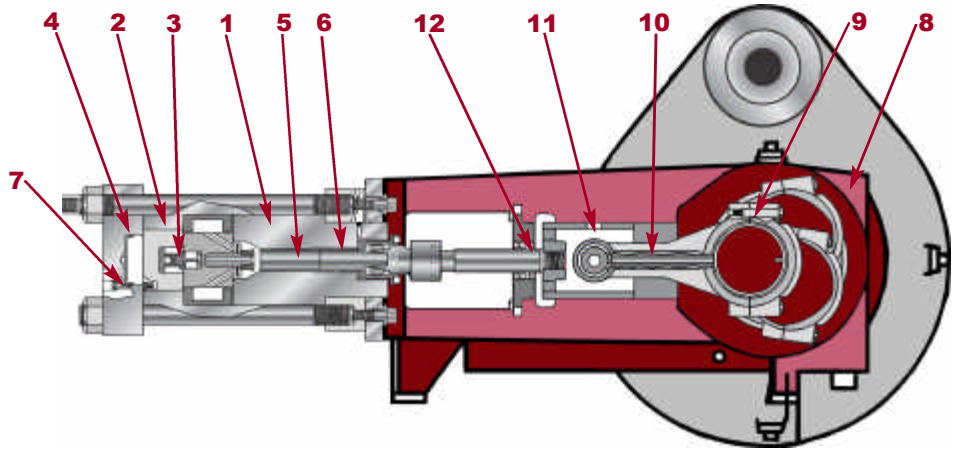
All flows realized will vary dependent upon several factors, such as but not limited to: pump speed, pump pressure, plunger size and pumped fluid.



GARDNER DENVER WATER JETTING SYSTEMS, INC.

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# TG-600HB PUMP



## 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, made of stainless steel with tungsten carbide coating.
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 relief safety head assembly (two rupture discs) mounted to the discharge manifold.

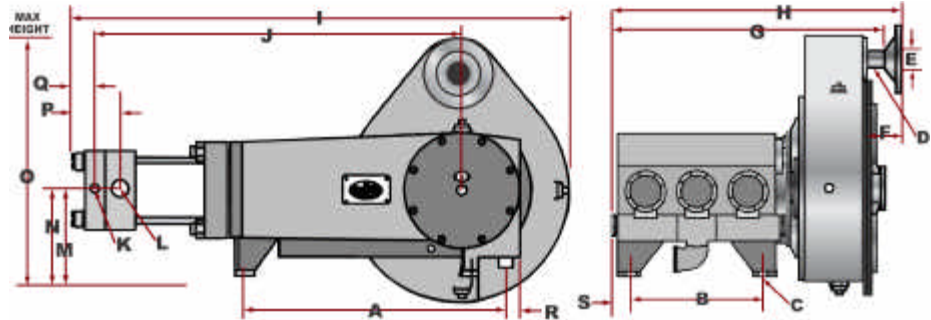
## Power End

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

**Reduction Gear:** Constructed of top quality AGMA steel. Hardened for strength and durability. Ratios available - 4.68:1.

**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-600HB



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
in.	84	29	16 <sup>3</sup> / <sub>8</sub>	31 <sup>5</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	39 <sup>1</sup> / <sub>2</sub>	23 <sup>1</sup> / <sub>8</sub>	13	53	34 <sup>1</sup> / <sub>2</sub>	53 <sup>7</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>8</sub>	9	3
mm	2133.6	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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