

TY-375HC



GARDNER DENVER
WATER JETTING
SYSTEMS, INC.

Pressures to 20,000 PSI
Flows to 44 GPM ♦ Power to 300 HP

Fast & Affordable Convertibility

Features:

- ♦ Pressure/flow convertibility from well of pump. Does not require unbolting and retorquing.
- ♦ No valve change required.
- ♦ Inline fluid end design.
- ♦ Pressures to 20,000 PSI.
- ♦ Flow rates from 9.3 GPM to 43.0 GPM.
- ♦ Maximum frame load of 19,500 Lbs. / 8845 Kg. for single speed.
- ♦ Field proven design.
- ♦ Extremely reliable.
- ♦ Easy field maintenance.
- ♦ High volumetric efficiency for maximum horsepower utilization.
- ♦ Rigorously subjected to full load testing.
- ♦ Manufactured on state-of-the-art machinery.



Applications:

- ♦ Water Blasting
- ♦ Hydrostatic Testing
- ♦ Chemical Injection
- ♦ Surface Preparation

Performance Specifications:

TY-375HC	PLUNGER DIA.	MAX. PRESSURE		FLOW					
		PSI	Bar	200 RPM		400 RPM		500 RPM	
				GPM	LPM	GPM	LPM	GPM	LPM
1.102" - 28mm	20K	1379	9.3	35.2	18.6	70.4	23.2	87.8	
1.250" - 32mm	15K	1034	11.9	45.0	23.9	87.0	29.9	113.2	
1.500" - 38mm	10K	689	17.2	65.1	34.4	130.2	43.0	162.8	

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.

Stroke: 3.75" / 95 mm • Max. Speed: 515 RPM • Weight: 1,950 lbs. / 885 Kg

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Partek • Liqua-Blaster • CRS Power Flow • Jetting Systems • American Water Blaster

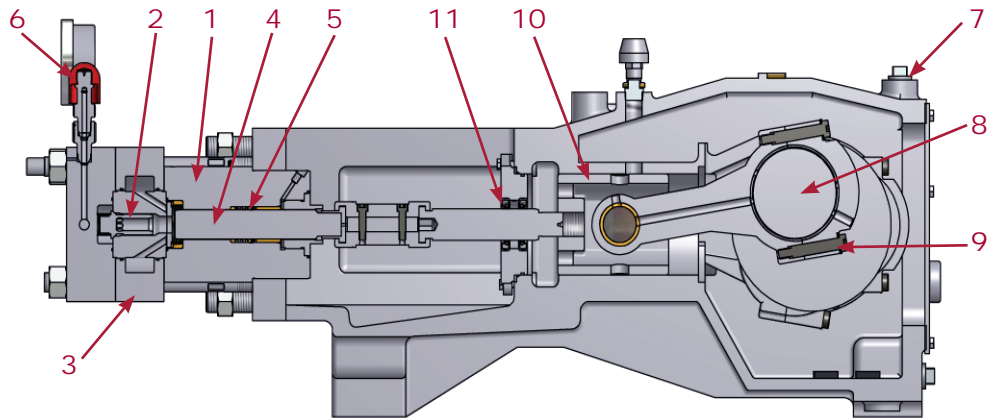
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Fluid End

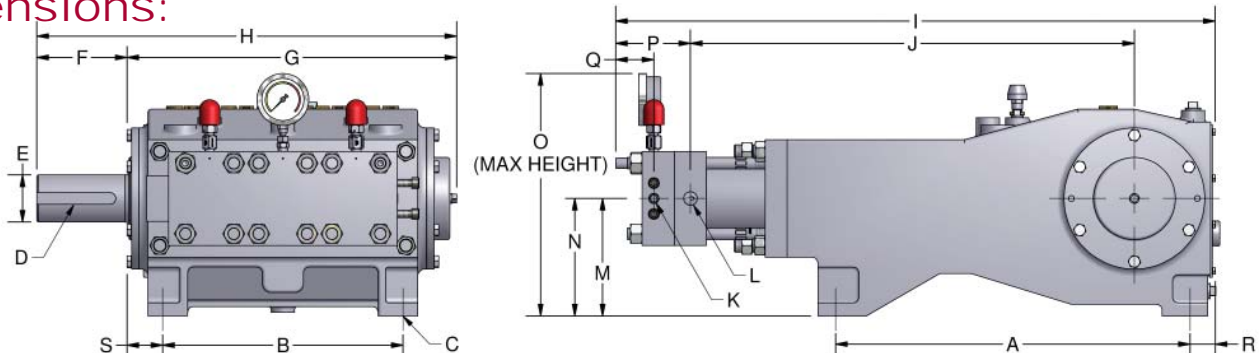
1. Fluid Cylinder Body: Three cylinders machined from hardened stainless steel and autofrettaged for extended life.
2. Valves: Heat-treated stainless steel, spring-loaded for positive closing. Both are machined, heat-treated and ground.
3. Suction Manifold: Anodized aluminum. Also available in stainless for salt water applications.
4. Plungers: Tungsten carbide or colmonoy coated stainless steel.
5. 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.
6. Pressure Relief: Pressure safety head assembly (two rupture discs), integrally mounted in the fluid cylinder, or a combination of rupture disc and relief valve.

Power End

7. Power Frame: Manufactured from a single piece casting of high strength gray cast iron.
8. Crankshaft: Double extended alloy steel with tapered roller bearings to minimize side thrust load.
9. Connecting Rods: Ductile iron with automotive type split insert bearings.
10. Crossheads: Large, piston type constructed of gray iron.
11. Diaphragm Seals: Installed with o-rings 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:



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
In.	30 ¹ / ₄	20 ¹ / ₂	1 ¹ / ₁₆	1	4	7 ¹¹ / ₁₆	28 ¹ / ₈	35 ¹³ / ₁₆	51 ¹ / ₈	37 ⁷ / ₈	1" MP	2" NPT	10	10	20 ⁵ / ₈	6 ³ / ₈	3 ¹ / ₄
mm	769	521	27	26	102	196	715	910	1299	962			254	254	524	162	83

GARDNER DENVER WATER
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