

TY-375S

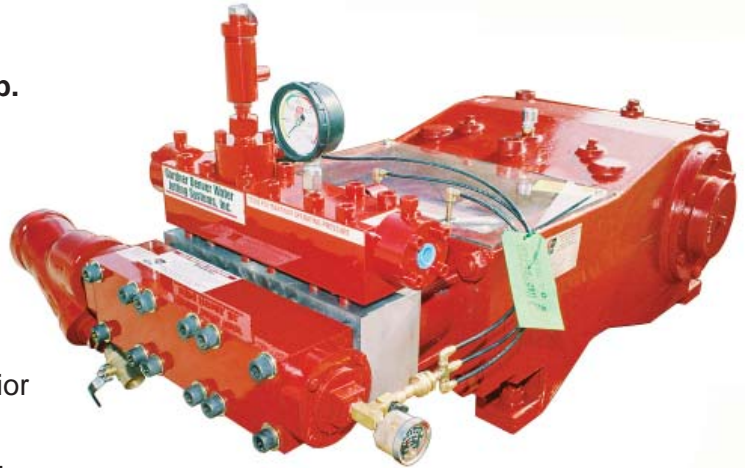


Pressures to 15,000 PSI
Flows to 60 GPM • Power to 300 HP

Fast & Affordable Convertibility

Features:

- ◆ Pressure/flow convertibility from well of pump. Does not require unbolting and retorquing.
- ◆ No valve change required.
- ◆ Sectionalized "L" fluid end design.
- ◆ Pressure range of 4,000 to 15,000 PSI.
- ◆ Flow rates from 8 GPM to 60 GPM.
- ◆ Maximum frame load of 19,500 Lbs. / 8845 Kg for single speed.
- ◆ Rugged elastomer inserted valves provide superior service in "dirty" water applications.
- ◆ Flanged suction and discharge ports (both ends).
- ◆ Field proven design. Easy field maintenance.
- ◆ Stainless steel fluid end construction.
- ◆ Rigorously subjected to full load testing.
- ◆ Manufactured on state-of-the-art machinery.



Applications:

- ◆ Water Blasting
- ◆ Chemical Injection
- ◆ Hydrostatic Testing
- ◆ Reverse Osmosis
- ◆ Fluid Transfer
- ◆ Oilfield Services
- ◆ Process
- ◆ Homogenization

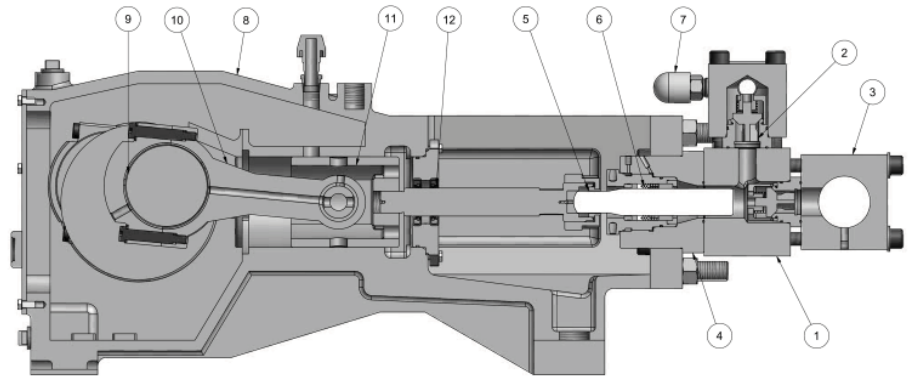
Performance Specifications:

	PLUNGER DIA.	MAX. PRESSURE		FLOW					
		PSI	Bar	200 RPM		400 RPM		500 RPM	
				GPM	LPM	GPM	LPM	GPM	LPM
TY-375S at 150HP	1.06" - 26mm	12K	828	8.6	33	17.3	65	21.6	82
	1.25" - 32mm	8K	552	12.0	45	23.9	91	29.9	113
	1.56" - 40mm	5K	345	18.7	71	37.4	142	46.7	177
	1.75" - 44mm	4K	276	23.4	89	46.9	178	58.6	222
TY-375S at 200HP	1.06" - 26mm	15K	1034	8.6	33	17.3	65	21.6	82
	1.25" - 32mm	11K	759	12.0	45	23.9	91	29.9	113
	1.56" - 40mm	6.8K	469	18.7	71	37.4	142	46.7	177
	1.75" - 44mm	5.3K	366	23.4	89	46.9	178	58.6	222
TY-375S at 250HP	1.06" - 26mm	15K	1034	8.6	33	17.3	65	21.6	82
	1.25" - 32mm	14K	966	12.0	45	23.9	91	29.9	113
	1.56" - 40mm	8.5K	586	18.7	71	37.4	142	46.7	177
	1.75" - 44mm	6.7K	462	23.4	89	46.9	178	58.6	222
TY-375S at 300HP	1.25" - 32mm	15K	1034	12.0	45	23.9	91	29.9	113
	1.56" - 40mm	10K	690	18.7	71	37.4	142	46.7	177
	1.75" - 44mm	8K	552	23.4	89	46.9	178	58.6	222

Note: All flows are based on 100% volumetric efficiency. Consult with factory for delivery.

Stroke: 3.75" / 95 mm • Max. Speed: 515 RPM • Weight: 2,100 lbs. / 953 Kg

TY-375S



Fluid End

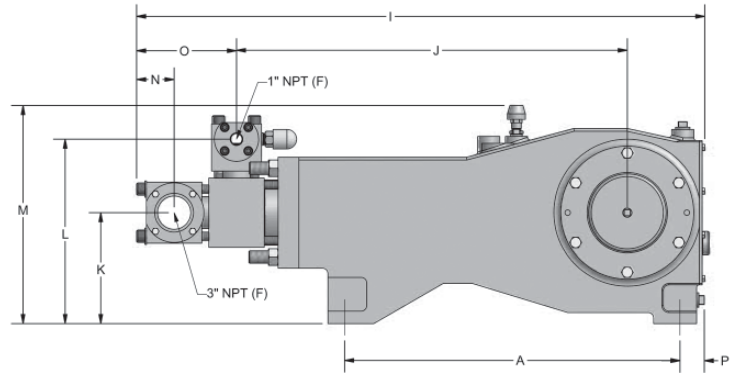
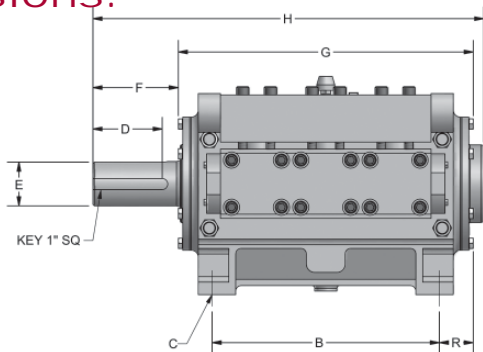
1. Fluid Cylinder Body: Machined from a solid block of stainless steel. Internal cylinder bore volume is minimized. Flanged discharge ports: 1" NPT (F).
2. Valves: Stainless steel, wing-guided and spring-loaded for positive closing. Valve seats have a straight shoulder. Both are machined, heat-treated and ground with replaceable elastomers seals.
3. Suction Manifold: Anodized aluminum with flanged 3" NPT (F) ports. Also available in stainless for salt water applications.
4. Stuffing Boxes: Machined from heat treated stainless steel.
5. Plungers: Colmonoy coated stainless steel or solid tungsten carbide.
6. Plunger Packing: Cartridge assembly is easily installed from the pump cradle. Packing consists of multiple elements, chevron style and are self-adjusting. 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: Single 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 Seal Plates: 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	R
In.	30 ¹ / ₄	20 ¹ / ₂	1.06	6	4	7 ³ / ₄	26 ⁵ / ₈	35 ¹ / ₄	51 ¹ / ₄	35 ¹ / ₄	10	16 ⁵ / ₈	19 ¹¹ / ₁₆	3 ³ / ₈	9	2 ¹ / ₄	3
mm	768	521	27	152	102	197	676	895	1302	895	254	422	500	86	229	57	76

GARDNER DENVER WATER
JETTING SYSTEMS, INC.
12300 North Houston Rosslyn Road
Houston, TX 77086

Your local distributor/representative is:



GARDNER DENVER WATER JETTING SYSTEMS, INC.

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

1-800-231-3628 ♦ 281-448-5800 ♦ Fax: 281-448-7500

GARDNER DENVER www.waterjetting.com ♦ E-mail: mktg.wjs@gardnerdenver.com