

PUMPS

TY-375HC WATERJETTING PUMP

Fast & Affordable Convertibility



STANDARD FEATURES

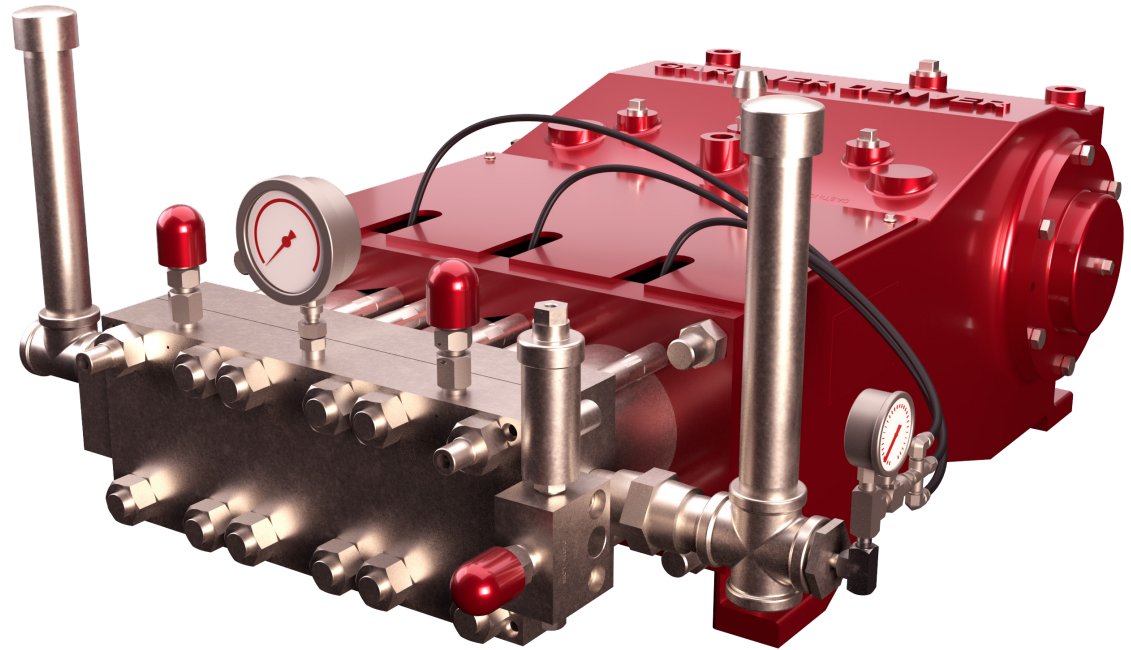
- Pressure/flow convertibility from well of pump. Does not require unbolting and retorquing
- No valve change required
- Inline fluid end design
- Pressures to 20,000 PSI
- Flow rates from 9.3 GPM to 43.0 GPM
- Maximum frame load of 19,500 Lbs. / 8845 Kg. for single speed
- Field proven design
- Extremely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

SPECIFICATIONS

Weight	1,950 lbs. / 885 Kg
Maximum RPM	515 RPM
Stroke Length	3.75 in / 95 mm

APPLICATIONS

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



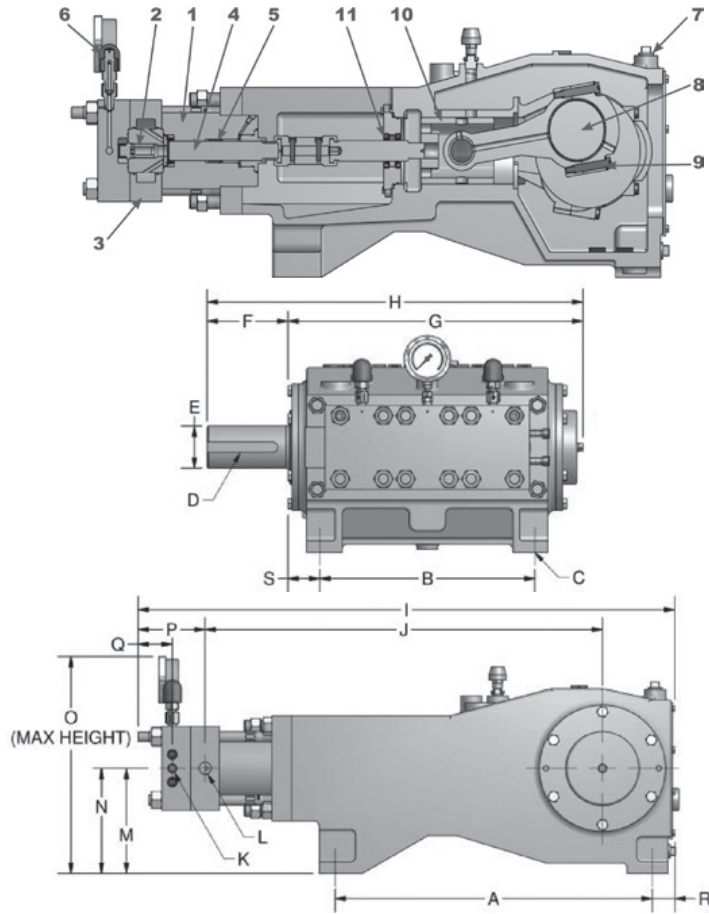
PLUNGER DIAMETER		MAX PRESSURE		FLOW					
				200 RPM		400 RPM		500 RPM	
in.	mm.	PSI	BAR	GPM	LPM	GPM	LPM	GPM	LPM
1.102	28	20000	1379	9.3	35.2	18.6	70.4	23.2	87.8
1.250	32	15000	1034	11.9	45.0	23.9	87.0	29.9	113.2
1.500	38	10000	689	17.2	65.1	34.4	130.2	43.0	162.8

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.

TY-375HC

WATERJETTING PUMP

SPECIFICATIONS



FLUID END

- Fluid Cylinder Body:** Three cylinders machined from hardened stainless steel and autofrettaged for extended life.
- Valves:** Heat-treated stainless steel, springloaded for positive closing. Both are machined, heat-treated and ground.
- Suction Manifold:** Anodized aluminum. Also available in stainless for salt water applications.
- Plungers:** Tungsten carbide or colmonoy chevron style, spring-loaded and self-adjusting. Easily replaceable from the rear of the stuffing box. Force-fed water provides lubrication and cooling.
- 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

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

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
IN	30.25	20.5	1.125	1	4	7.688	28.125	35.188	51.125	37.875	1" MP	1-1/2" NPT	10	10	20.625	6.375	3.25
MM	769	521	27	26	102	196	715	910	1299	962			254	254	524	162	83

Bearings and crossheads are oil lubricated with a combined splash gravity system that insures adequate circulation at speeds as low as 200 RPM.

NOTE: Line drawings are available from engineering per application.