

For Maximum Water Blasting Productivity

The Power Inside Every Pumping Unit!

The key to Aqua-Dynes long pump life and hundreds of hours of trouble-free operation are low load packing, special filtration, a closed loop non-drip cooling and water lubrication system for alumina ceramic or tungsten carbide plungers.

The individual lightweight suction and discharge manifolds are easily removed for routine maintenace, and field changing the packing or plungers takesfive minutes with no special tools required.

Unique "Valve-In-Line" Fluid End

Unique "Valve-In-Line" Fluid Ens design provides higher volumetric efficiency for increased productivity & lower operating costs.

Superior design of the Fluid End delivers up to 15% increase in productivity, higher volumetric efficiency, lower maintenance, quick packing changes and low initial cost over conventional fluid ends available.

Specifications

Rated Power Up to 250 hp (186 kw)
Number of Cylinders 3
Plunger Stroke 3.5" (88.9 mm)
Plunger Load 15,000 lbs (6804 kg)
Oil Capacity 2.5 Gallon (11.36 L)
Pump Weight 1,375 lbs (624 kg)

Fluid End

Fluid Cylinders - Stainless Steel is standard, other materials available to suit application.

Valve & Seats - High strength stainless steel in-line valve system. All valves may be reconditioned by surface grinding.

Plungers - Non-scoring ceramic.

Packing - V-Rings of advanced polymer material are self adjusting, giving long service when used when used with non-scoring ceramic plungers.

Lubrication - Plungers and packing are lubricated by fluid from manifold.

Manifold - Light weight modular manifold is easily

Power End

Power Frame - High strength gray iron alloy casting with sturdily ribbed wall sections.

Crankshaft - Aircraft quality alloy steel induction hardened journals, may extend from either side.

Crankshaft Bearings - Heavy duty high speed journal bearings.

Crossheads - Cylindrical type high strength alloy castings. Crosshead wristpins are hardened & ground steel. Extension rods are highly polished stainless steel to eliminate corrosion and weepage.

Lubrication - Power end parts are splash lubricated.

Connecting Rods - High strength, solid section, ductile iron.

Oil Wiper Seals - Sealed lubricating polymer.



Toll Free: 1-877-290-4277

FLUID END SERIES	DIAMETER	MAXIMUM PRESSURE PSI (bar)	FLOW AT POWER - GAL / MIN. (liter / min)		
			150 HP <i>(112 kw)</i>	200 HP <i>(149 kw)</i>	250 HP <i>(186 kw)</i>
UHP	1/2 (12.70) 5/8 (15.87) 5/8 (15.87)	40,000 <i>(2758)</i> 40,000 <i>(2758)</i> 30,000 <i>(2068)</i>	5.7 <i>(25.91)</i> 7.5 <i>(3409)</i>	7.6 <i>(34.55)</i>	
HP	7/8 (22.22) 1 (25.40) 1-1/8 (28.57) 1-1/4 (31.75)	20,000 <i>(1379)</i> 16,000 <i>(1103)</i> 13,000 <i>(896)</i> 10,000 <i>(689)</i>	11.3 <i>(51.37</i> 14.1 <i>(64.10)</i> 17.1 <i>(77.74)</i> 22.5 <i>(102.29)</i>	15 (68.19) 18.8 (85.47) 22.8 (103.65) 30 (136.38)	
MP	1-3/8 (34.92) 1-1/2 (38.10) 1-5/8 (41.27) 1-3/4 (44.45) 1-7/8 (47.62) 2 (50.8)	9,000 (620) 8,000 (552) 7,000 (483) 6,000 (414) 5,000 (345 4,500 (310)	25.2 (114.56) 28.2 (128.20) 32.4 (147.30) 37.8 (171.84) 45.0 (204.57) 50.1 (227.76)	33.6 (152.75) 37.6 (170.93) 43.2 (196.39) 50.4 (229.12) 60.0 (272.76) 66.8 (303.38)	42.0 (190.93) 47.0 (213.66) 54.0 (245.49) 63.0 (286.40) 75.0 (240.95) 83.5 (379.60)
LP	2-1/8 (53.97) 2-1/4 (57.15) 2-3/8 (60.32)	4,000 <i>(276)</i> 3,500 <i>(241)</i> 3,000 <i>(207)</i>	56.4 <i>(256.40)</i> 64.8 <i>(294.59)</i> 75 <i>(340.95)</i>	75.2 <i>(341.87)</i> 86.4 <i>(392.78)</i> 100.0 <i>(454.61)</i>	94.0 <i>(427.33)</i> 108.0 <i>(490.98)</i> 120.0 <i>(545.53)</i>

