

UVO 150



6 INCH

No-Fuss Automatic Priming:

Developed during years of experience in the fields of construction, mining, sewage and civil works. The Powley range of automatic vacuum-primed centrifugal pumps are known for their on-site reliability, ease of operation and maintenance.

The UVO 150 utilizes the two piece Powley Vacuum Pressure Seal. (See Powley Vacuum Pressure Seal Sheet for additional information).

Vacuum Pump:

The oil lubricated vacuum pump is used for dry priming the pumps for suction lifts up to 30 feet and where high airflow is expected.

Heavy-Duty Construction:

This pump is constructed from select materials to provide wear reducing characteristics over the full range of pumping duties.

High chrome Iron design insures greater endurance of essential componets. Such as the Casting, Shaft Sleeve, Impeller and Expeller. S.G. Iron used In the Bearing Frame and Stuffing Box and Carbon Steel Shaft Complete this heavy duty abrasion resistant pump.

Priming Gear Tank:

This tank houses the float system, which controls the level of liquid in the main pump volute casing and priming sump. The Powley system is developed so that 25cfm vacuum pumps can be used with the same float gear and Priming Tank, hence components common for various capacity systems.

This feature is important for easy servicing and stocking of parts. There is an external vacuum S-Steel air filter, where maintenance and cleaning can take place without the removal of associated parts. It can be serviced

without a wrench, simultaneously when the oils are being checked.

Extra Large Separation Sump:

This sump fits under the Priming Gear Tank, its purpose is to separate the air from the water on various applications including wellpoint dewatering and sewage overpumping. The Powley priming sump has a capacity of over 25 gallons, making the separation highly efficient. Due to the large surface area of the sump, the velocity of the water and air entering the pump chamber is slowed down considerably, which decreases turbulence, enabling the float gear to last longer before service is required.

Non-Clog Reflux Box:

The UVO 150's non-return valve is a solid non-clog ball and seal, designed for easy maintenance, and the passing of large solids.

UVO 150 6" CUSTOM OPTIONS

- DIESEL/ELECTRIC MOTOR DRIVE
- AUTO STOP/START PANELS
- SILENCED PUMP SETS
- ROAD/SKID CHASSIS
- IMPELLER OPTIONS



PROUDLY MANUFACTURED IN THE U.S.A.

JUNE 2004

Distribution & Workshop

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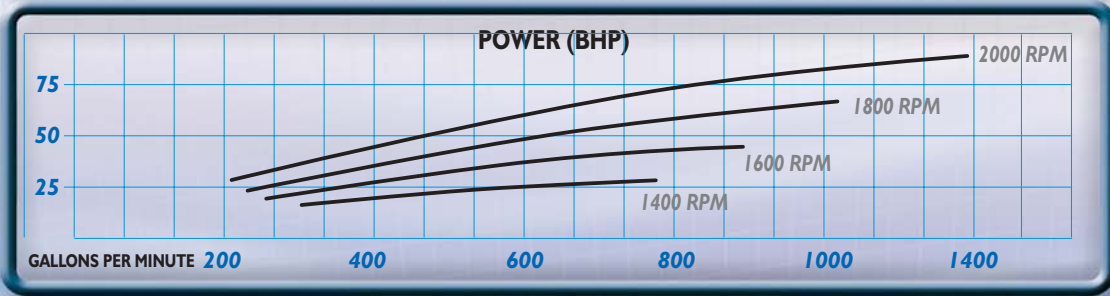
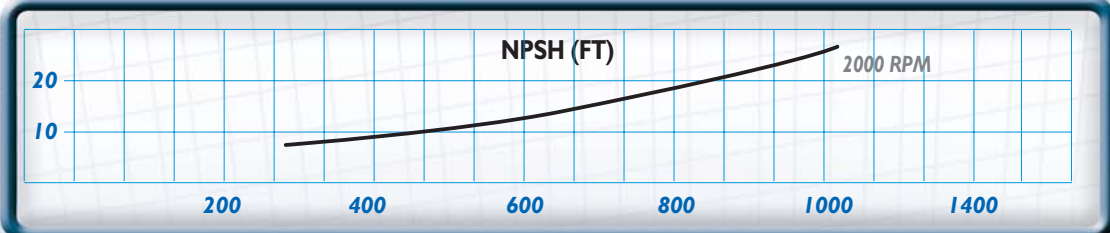
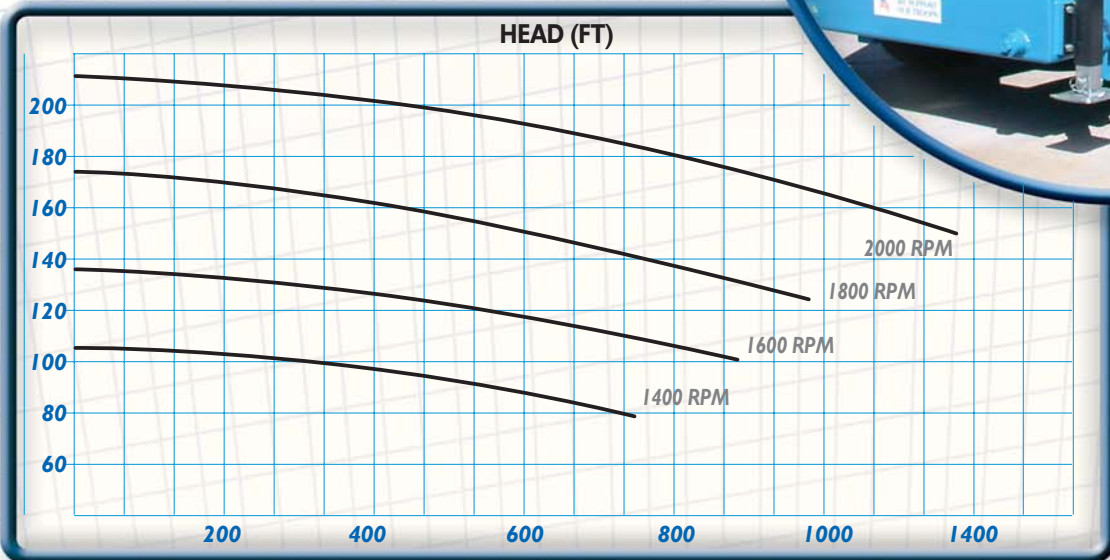
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POWLEY PUMP COMPANY

UVO 150

SUCTION: 6 inch
DISCHARGE: 6 inch
SPEED: Various (see curves)
IMPELLER: 12 inch diameter
MAX. SOLID: 3-1/8 inch diameter



FUEL TANK CAPACITY:
 250 gallons with flush-out facility.

ENGINE OPTIONS:
 Deutz, John Deere, Cummins, Perkins, Caterpillar, Detroit and Electric motors.

PRIMING SYSTEM:
 Fully contained lubricated rotary vane vacuum pump with non-corrosive float gear (25cfm).

SHAFT SEAL:
 Two piece Powley Vacuum Pressure Seal

CHASSIS:
 Four wheel with 6000 lb. axles and oversized jack stands (skid chassis on request). Heavy-duty lifting bracket.

LOFA CONTROL PANELS:
 Automatic stop/start on request.

IMPELLER OPTIONS:
 For raw sewage or fibrous materials.

ON-SITE BENEFITS

- SIMPLE OPERATION AND MAINTENANCE**
- LARGE FUEL TANK, RUNNING MINIMUM 48 HOURS**
- LARGE VACUUM PUMP**
- AUTO START/STOP AVAILABLE**
- HEAVY-DUTY LEVELING STANDS**
- ENGINE PROTECTION GUARD**
- HEAVY-DUTY LIFTING BRACKET**
- OVERSIZE AXLE AND WHEELS**
- HEAVY-DUTY DRAW BAR**
- WASH-OUT FUEL TANK FACILITY**

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