



HPump low-horsepower surface pumping system

Reduce CAPEX with rugged, modular system design

Don't pay for horsepower you don't need. Reduce CAPEX expenditures with an **HPump™ horizontal surface pumping system**, from Baker Hughes, a GE company (BHGE), specifically designed for low-horsepower applications. The system, which is available in several standard options for delivery in as quick as two weeks, arrives in the field fully assembled for faster setup and commissioning.

The BHGE HPump system has provided a superior alternative to traditional triplex, split case, or other high-pressure surface pumping options for more than 25 years. HPump systems are ideal for a variety of pumping applications, including produced water disposal, injection for enhanced oil recovery (EOR), jet pump power fluid boosting, intra- field and pipeline fluid transfer, and natural gas treatment. The low-horsepower system is specifically designed for operations requiring less than 400 HP at flow rates up to 50,000 BFPD with pressures as high as 6,250 psi.

Every component of the system has a modular design for quick, onsite component replacement, which eliminates expensive and time-consuming field repairs. The modular design also allows a system to be easily upgraded to keep your operation running optimally when pumping requirements change. Operational flexibility is further enhanced when an HPump system is paired with an **Electrospeed Advantage™ variable speed drive (VSD)**. This enables pumping automation along with flow rate adjustments simply by changing the motor speed.

Unlike surfacing pumping systems that employ a positive displacement pump, the HPump system minimizes vibration and fluid pulsation with the continuous, smooth operational characteristics of a BHGE centrifugal pump. This rugged technology is based on years of pump design and application experience in **CENTrilift™ electrical submersible pumping (ESP) systems**.

Applications

- Produced water disposal
- Jet pump power fluid
- Intra-field and pipeline fluid transfer
- Natural gas liquids pumping
- CO₂ injection
- Water injection for EOR

Benefits

- Speed repair and maintenance with modular design
- Reduce CAPEX for applications requiring less than 400 HP
- Handle flow range from 250 up to 50,000 BFPD
- Minimize vibration and fluid pulsation with rugged centrifugal pump design

Mitigating vibration improves system run life by reducing wear in components such as the motor and horizontal thrust chamber (HTC) bearings. Elimination of fluid pulsation enhances the integrity of downstream piping, valves, and other equipment. Also, the combination of low vibration and no fluid pulsation make the HPump system quiet enough for operations in urban environments.

Contact your BHGE representative today to find out how a fit-for-purpose low-horsepower HPump system can shorten project timelines while reducing CAPEX investment.

bhge.com

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