



# HPump horizontal surface pumping systems

Increase uptime with rugged surface  
fluid-transfer equipment

The **HPump™ horizontal surface pumping system**, originated and designed by Baker Hughes, a GE company (BHGE), has provided a reliable, efficient alternative to positive displacement, split case, and other surface pumping options for more than 25 years.

The core of the system is the electrical submersible pumping (ESP) system. The adapted, multistage centrifugal pump is combined with a horizontal thrust chamber (HTC) and an industrial quality, foot-mounted electric motor, then secured to a solid, structural steel skid. The HPump system is the best solution for surface pumping applications in onshore and offshore oil and gas fields and industrial operations.

These applications include: production water, amine, CO<sub>2</sub>, NGL, corrosive fluids, crude, and brine. Our global capabilities ensure a cost effective system solution and low maintenance remedy for your fluid-transfer needs. The durability and simplicity of the HPump's design lowers operational and maintenance costs. With thousands of installations worldwide,

customers have reported 65% reductions in lifecycle costs with the HPump system. Producers will experience dependable performance with minimal maintenance in all types of environments.

The proven multistage pump is rated up to 6,250 psi with a flow range from 800 to 130,000 barrels of fluid per day. HTC performance has been optimized in over 1,000 hours of research and development testing on a world-class test bench as well as in field applications. The rugged design means HPump systems are especially suited for a broad temperature range in varying and sometimes unforgiving environments. HPump systems can handle solids up to 100 ppm with our abrasion-resistant technology. In addition, our proprietary stage coatings adapt to changing fluid conditions while preventing buildup of asphaltenes and scale.

Contact your BHGE representative today or visit [bhge.com](http://bhge.com) to find out how the HPump system can help you significantly reduce maintenance costs and increase production.

## Applications

- Water disposal and injection
- CO<sub>2</sub> injection
- Natural gas treatment
- Boiler feed
- Jet pump power fluid
- Booster pump
- Fluid transfer

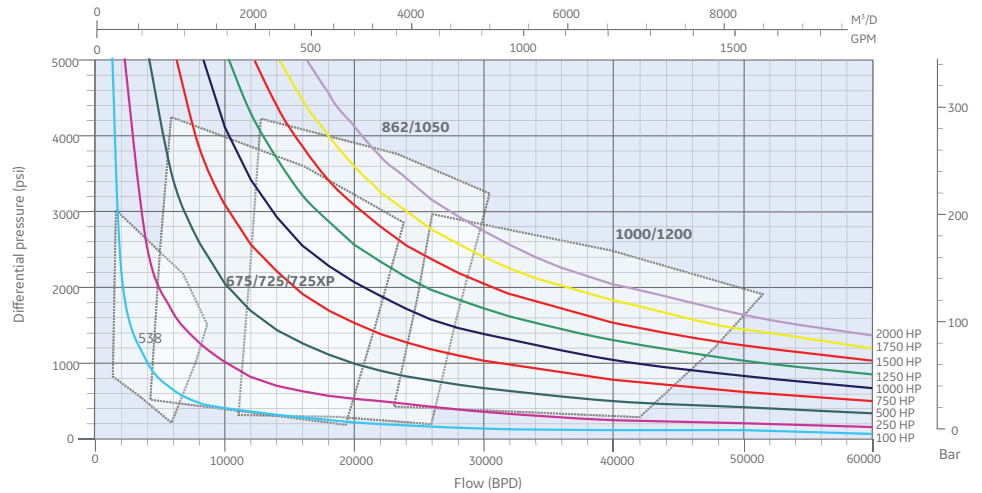
## Benefits

- Accommodate a flexible flow range from 800 to 130,000 BFPD
- Extend operating range, improve run life with abrasion-resistant technology
- Lower operational and maintenance costs with simple, durable design
- Reduce environmental impact since system can be emission free

## Sample HPump performance envelope (1.00 SG/3,600 rpm)



The Electrospeed variable speed drive from BHGE provides precise HPump system control to ensure the widest possible operating range, resulting in reduced lifecycle costs.



### Typical fluids

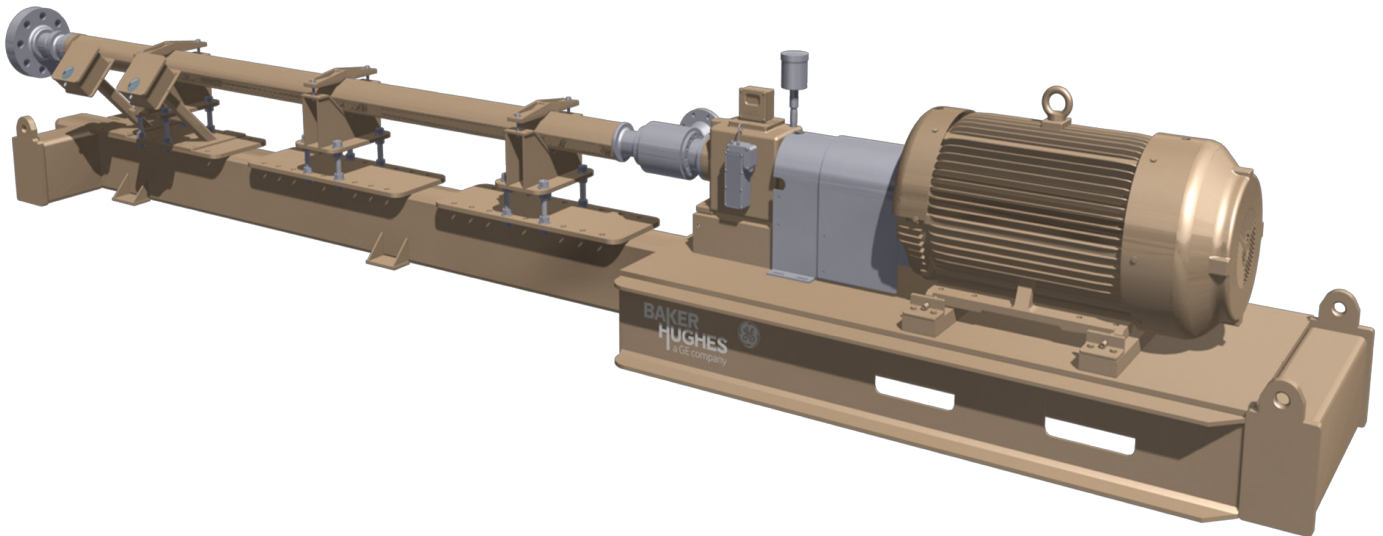
- Water
- Amine
- NGL
- Crude oil
- Brine
- Liquid CO<sub>2</sub>

### Some available options Include:

- Cartridge seal
- Spacer and API-610 compliant couplings
- On-skid wiring of instrumentation or accessories to common junction box
- Gas or diesel engine drives
- Building and trailer-mounted systems

### HPump scopes

<b>Flow rates</b>	800 to 130,000 BPD
<b>Pressures</b>	Up to 6,250 psi
<b>Horsepower</b>	25 to 2,500 hp



[bhge.com](http://bhge.com)

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