

HPump surface pumping systems in industrial applications

Improve uptime, reduce environmental impact, and reduce costs

The **HPump™ surface pumping systems** from Baker Hughes provide solutions across many industries for applications such as mining, chemical treatment, and municipal and geothermal operations, among others. The types of pumps typically used for industrial purposes include centrifugal pumps and positive displacement pumps.

The HPump system provides a highly reliable, efficient alternative to other surface pumping options. The HPump system presents a wide range of pressure and flow capabilities ranging from 250 to 130,000 BFPD with horsepower ratings up to 2,500 hp. This economical alternative to split case, positive displacement, and vertical turbine systems, provides a low maintenance solution for fluid transfer.

The HPump system uses adapted **CENTrilift™ electrical submersible pumping (ESP)** technology to deliver leak-free, low-noise fluid transfer. The multistage centrifugal pump is combined with a horizontal thrust chamber (HTC) and an industrial foot-

mounted electrical motor to provide a rugged, skid-mounted system. HPump systems are easy to build and deploy—reducing lead time—and components can be easily changed out as needed to improve uptime. Common industrial applications include fluid and chemical transfer in mining and other operations, as well as amine pumping to process natural gas.

With global fulfillment and maintenance capabilities, HPump systems provide a cost-effective solution regardless of location. These systems are durable, simple, and easy to maintain. After thousands of installations worldwide, customers routinely report up to 65% reductions in life cycle costs. HPump systems deliver dependable performance with minimal maintenance in multiple environments.

The electrical motor is efficient, helping reduce emissions. And solid, vibration-resistant construction reduces leaks and corrosion. HPump systems are quiet compared to other surface pumps. The skid-mounted systems can be housed

Applications

- Mining
- Fluid and chemical staging and transfer
- Distillate transfer
- Geothermal operations
- Municipal operations

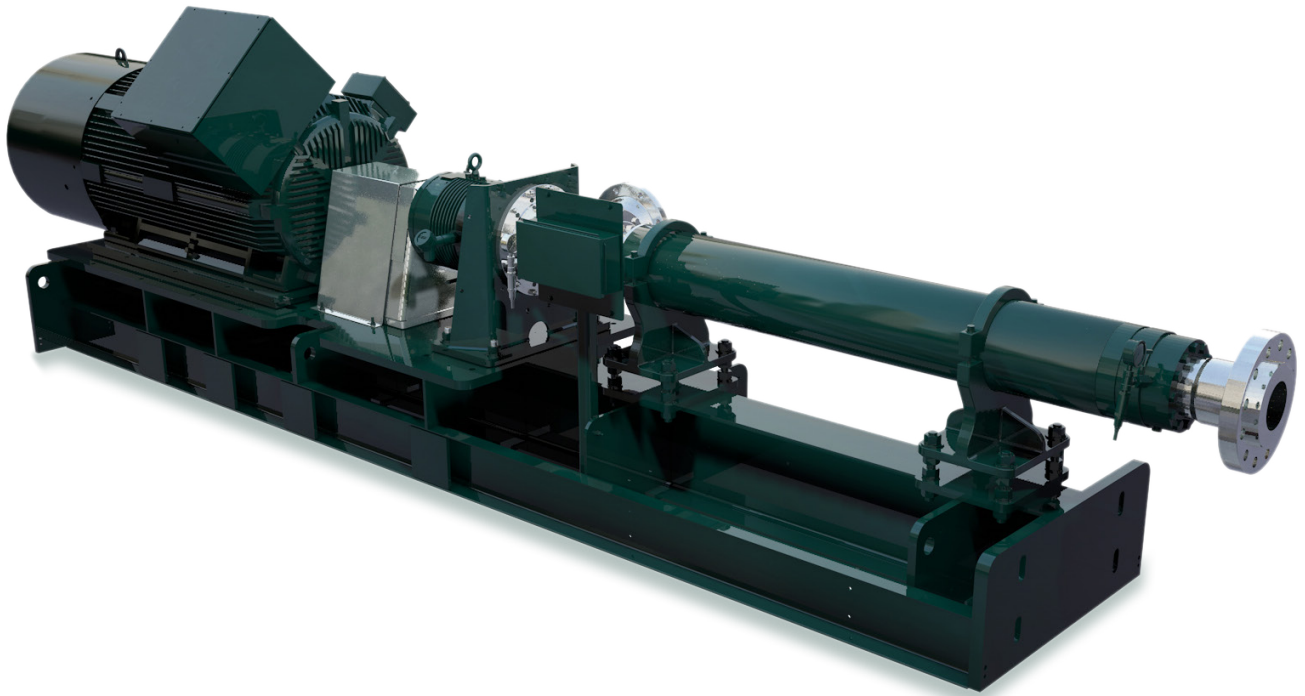
Benefits

- Reliable, low-maintenance components
- Broad operating range
- Low-vibration design
- Cartridge seal design
- Abrasion-resistant technology and corrosion-resistant carbon materials
- Compatible with gas handling pump

in enclosures, on trailers, or out in the open, and are easily moved.

The proven multistage pump is rated up to 6,250 psig (with a wide flow range from 250 to 130,000 BFPD). And the corrosion-resistant design can handle broad temperature variations in harsh environments. HPump components can handle solids and abrasives with abrasion-resistant materials and technology, and stage coatings help prevent asphaltene and scale buildup.

Contact a Baker Hughes representative today to find out how HPump systems can help you improve uptime, reduce environmental impact, and reduce costs whether you are pumping water, CO₂, lean amine, or hydrocarbons.



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