

ROTATING RIGHT

## CENTRILIFT HPUMP SYSTEMS

For over 25 years the unmatched design of Centrilift HPump systems has provided a highly reliable, efficient alternative to other surface pumping options. The core of the system is a Centrilift multi-stage centrifugal pump combined with a horizontal thrust chamber (HTC) and an industrial quality, foot-mounted electric motor, all attached to a sturdy skid. The durability and simplicity of the HPump design lowers operational and maintenance costs. With thousands of installations worldwide, customers have reported 65% to 90% reductions in life cycle costs with the Centrilift HPump system. Customers have reported many cases of dependable performance for over 10 years with minimal maintenance in all types of environments.

The Centrilift proven multi-stage pump is rated up to 5,000 psi with a flow range from 2,000 to 50,000 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 mechanical seal configurations are designed to minimize environmental impact. The rugged system design means Centrilift HPumps are especially suited for installation in unsheltered, unforgiving environments.

The Centrilift HPump system is the best solution for a myriad of surface pumping applications in onshore and offshore oil and gas fields and industrial operations.

### Applications

By-product water handling  
Injection  
Disposal  
Flooding  
Pipeline transfer  
Pressure boosting

### Fluids

Water  
Brine  
CO<sub>2</sub>  
Crude oil  
Hydrocarbons  
Amines

## FEATURES & BENEFITS

### FEATURE

### BENEFIT

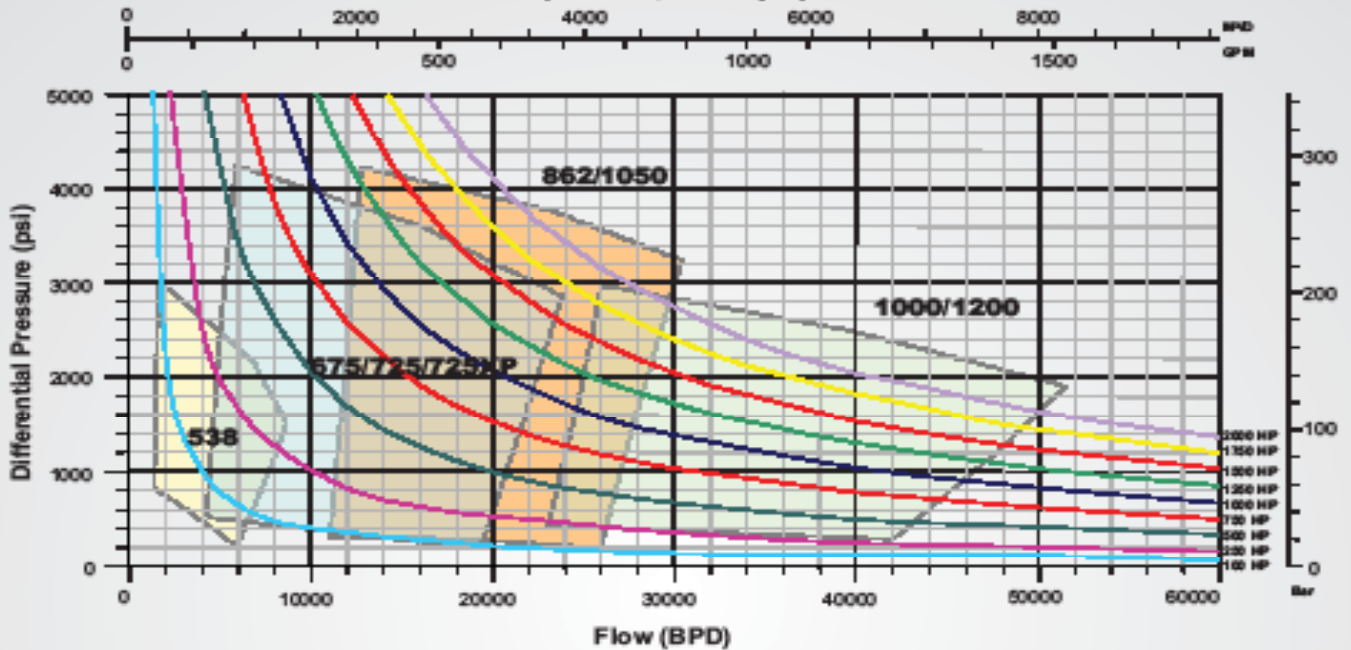
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| Reliable, low maintenance                      | >> Lower operating expenses through longer run life and reduced maintenance costs  |
| Simple installation and set up                 | >> Faster, less costly start up  |
| Tolerant, flexible design                      | >> Broad fluid temperature range; enhanced solids handling   |
| HS&E friendly                                  | >> Nearly emission free  |
| Vigorous testing                               | >> Reliable, trouble free service  |
| Complete system supplier since the early 1980s | >> Unparalleled knowledge and experience, leveraging Centrilift's 50 years of pump and variable speed drive design and manufacturing |



# HORIZONTAL SURFACE PUMPING SYSTEM



**HPump Performance Envelope  
(1.00 SG/3600 rpm)**

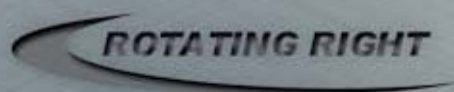


Centrilift's Electrospeed®3 variable speed drive provides precise HPump system control to ensure the widest possible operating range, resulting in reduced life cycle costs.



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



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