

ROTATING RIGHT

## REDA HPS HORIZONTAL PUMPING SYSTEMS



**Power you can count on  
anytime, anywhere**



# RedaHPS Horizontal Multistage Surface Pumps

# RedaHPS

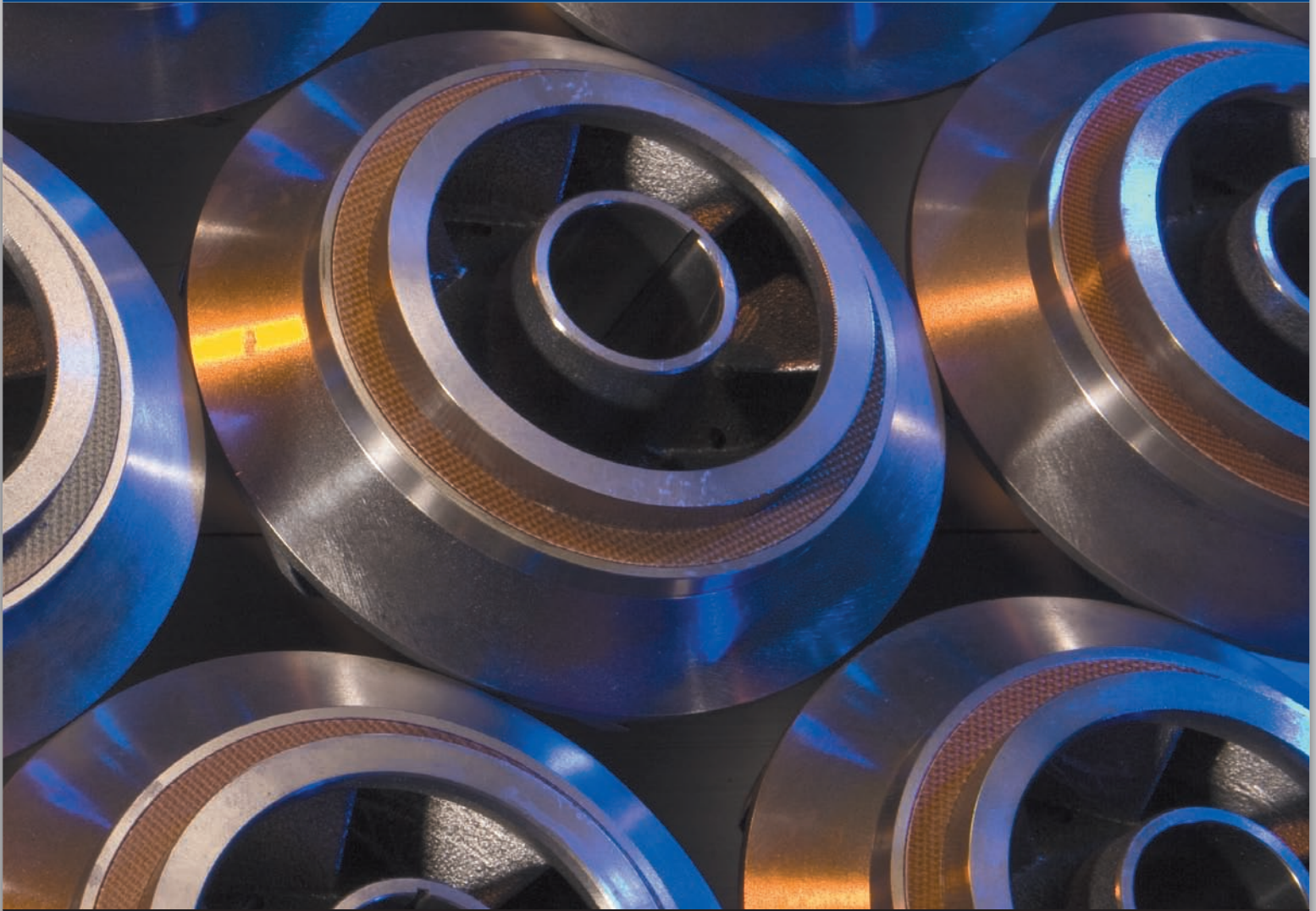


**RedaHPS\* horizontal multistage surface pumps deliver power you can count on for your surface pumping applications.**

The RedaHPS system has proved to be a long-term, cost-effective, low-maintenance alternative to conventional high-pressure pumps. RedaHPS pumps provide years of problem-free service in any environment, with packages customized for the harshest climates. From intense desert heat to extreme Arctic cold, our pumps keep the fluid moving.

The RedaHPS system uses the REDA\* electric submersible pump (ESP) technology originally designed for harsh downhole pumping conditions.

These pumps offer exceptional performance in even the toughest operating environment and are designed to provide services for a wide range of surface applications. The durable and flexible units operate in applications varying from high-pressure water injection and crude-oil transfer to lean amine service, liquid natural gas (LNG) pumping, and refinery operations. No matter what the challenge, RedaHPS surface pumps perform—anytime, anywhere.



### **A POWERFUL PACKAGE**

- **2,000 hp in a single unit**
- **18,000 ft.lbf of thrust**
- **1,850 galUS/min of flow**
- **6,000 psi pressure rating**

## A tradition of dependability and power

The RedaHPS horizontal multistage pump has a rich history of continuous product improvement, owing largely to quality assurance practices that were put in place soon after the REDA electric submersible pump system was awarded the original patent for ESPs worldwide. Since the 1940s, the RedaHPS pump series has been a reliable, cost-effective, flexible alternative to conventional pumping systems. The RedaHPS system is used today in a wealth of applications around the globe, from simple water injection and disposal to more complex refinery and offshore crude oil transfer and refinery pumping service. Cost-competitive and customizable for your specific needs, the RedaHPS equipment requires less inventory and delivery time than conventional equipment and has a lower life-cycle cost, thanks to minimized downtime and low maintenance requirements. The result is increased mean time between failures (MTBF), giving you a powerful pumping system you can count on.

### ■ Tradition

The RedaHPS series is the industry leader in ESP surface-style pumping equipment. With more than 60 years of experience, Schlumberger continues to build on a tradition of dependability and power.

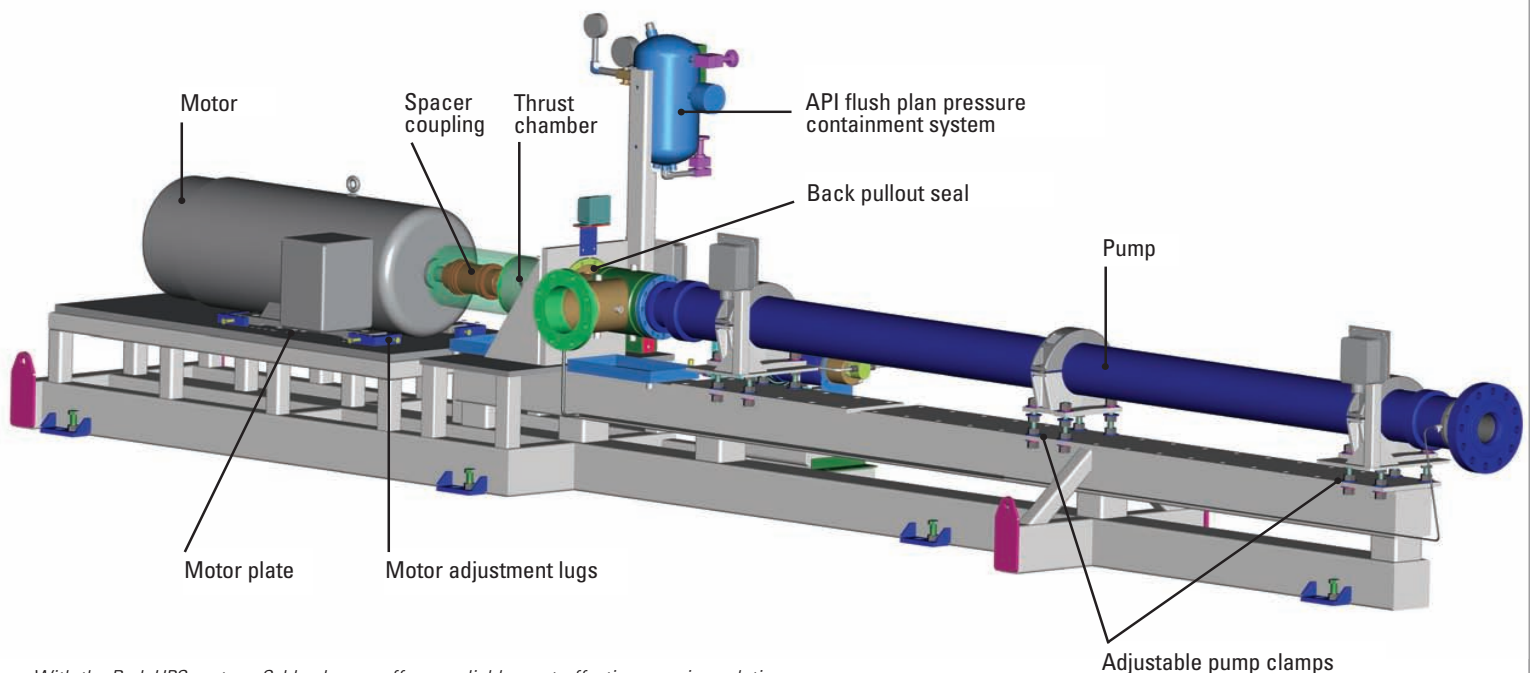
### ■ Dependability

The RedaHPS system incorporates flexible features and API 610 designs that maximize overall pump run life and minimize downtime. The pump's modular design enables easy modification whenever needed—all major components can be exchanged within 2 to 3 hours.

### ■ Power

The RedaHPS pumping system can deliver up to 2,000 hp in a single unit. Alternatively, multiple units can be configured in series or parallel to provide redundancy, additional volume, or pressure.

**Cost-competitive and customizable**  
for your specific needs



*With the RedaHPS system, Schlumberger offers a reliable, cost-effective pumping solution that is delivered quickly and is flexible enough to be modified in the field. Features are built in to provide a low-maintenance, flexible, cost-effective system, including back pullout seals, spacer coupling, adjustable pump clamps, and an adjustable motor plate.*

## Reliable, flexible, modular design

### APPLICATIONS

- Water injection and disposal
- Reservoir pressure maintenance
- Power fluid boost for hydraulic lift systems
- Coalbed methane fracturing
- Crude oil transfer
- Geothermal injection
- Effluent disposal
- Mine dewatering
- Lean amine charge
- Salt dome leaching
- LNG boosting and transfer
- Carbon dioxide boosting
- Boiler feedwater
- Pipeline boosting

### PROVEN RELIABILITY AROUND THE WORLD

RedaHPS equipment is effective in both land-based and offshore installations. From the deserts of the Middle East to the tundra of Siberia and from the underground mines of Canada to the jungles of South America, RedaHPS units are working 24/7, giving years of dependable, trouble-free service.

### SYSTEM FEATURES MEET A VARIETY OF NEEDS

The RedaHPS system is application-ready. Low-maintenance centrifugal pumps, boasting a field-friendly modular design, offer competitive pricing and delivery times for an array of applications. The API back-pullout feature means quick seal changes—which minimize downtime and protect the environment—and higher nozzle load capacity, which delivers on the promise of reliability and improved productivity.

In addition, the unit offers single, double, or triple thrust-bearing designs within one housing, with load capacity up to 18,000 ft.lbf for increased thrust loads. Optional motor frames and seal designs, adjustable clamps, and modular components set the RedaHPS equipment apart from conventional API 610 pumps and easily accommodate future modifications and upgrades. Minimal noise, vibration, and emissions make the RedaHPS pump a lower environmental risk as well.

### MANUFACTURING AND TESTING CENTER REDUCES LEAD TIMES AND COSTS

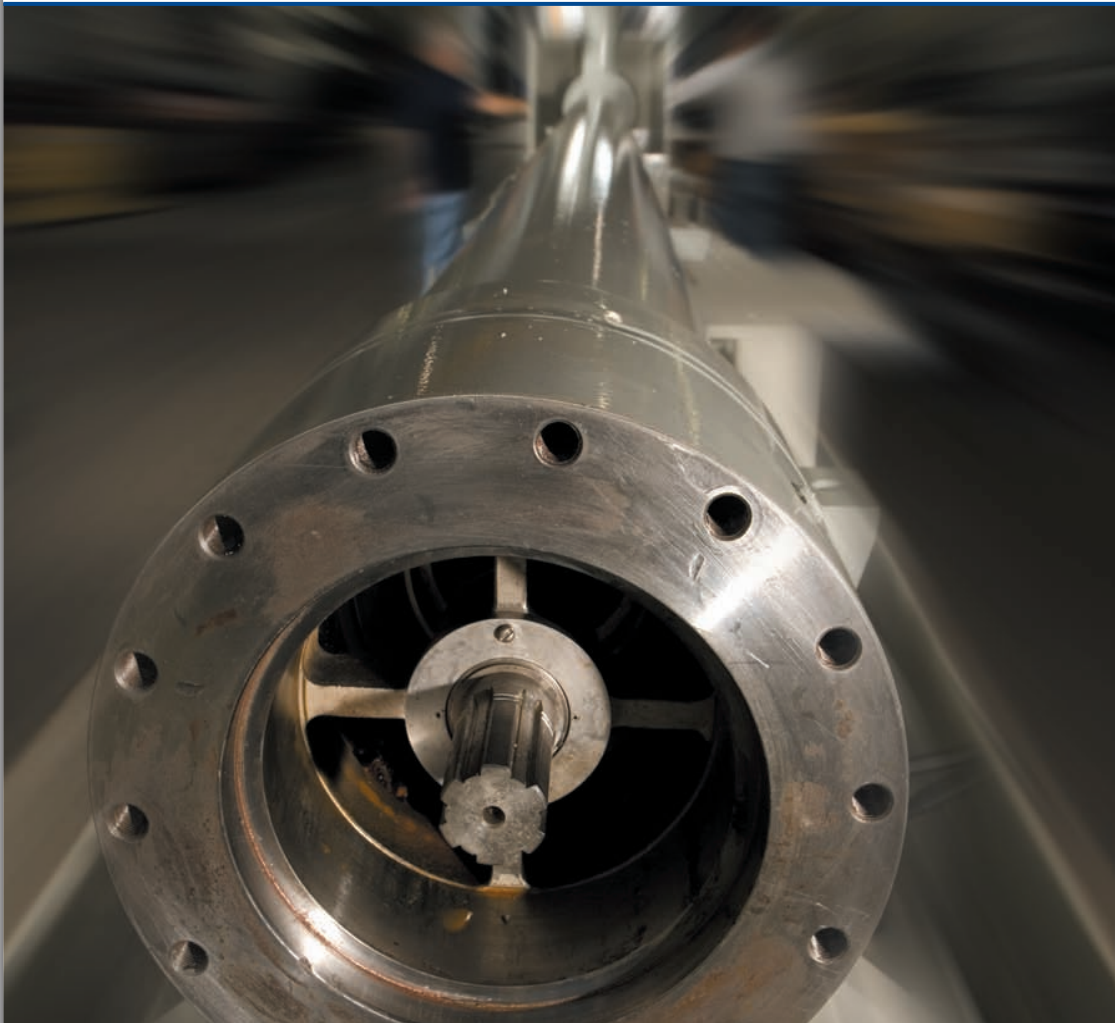
Rigorous testing at the Bartlesville Product Center (BPC) ensures that the RedaHPS system meets design specifications and exceeds industry standards. With its emphasis on quality, cost, and delivery, the new facility offers manufacturing and testing under one roof, significantly reducing production lead times and trimming costs. Using generators capable of 4 MW, the BPC can assemble and test units up to 2,000 hp at full load.

Quality at the source

*Stringent testing of RedaHPS pumping equipment conducted at the BPC surpasses industry standards and assures production of a system that can reliably meet a host of customer needs.*



# RedaHPS Horizontal Multistage Surface Pumps



Reliable, powerful,  
cost-effective

RedaHPS pumps continue to gain recognition, thanks to competitive capital costs, superior MTBF, and reduced maintenance expense.

Choose the dependable RedaHPS horizontal multistage pumping system for your next high-pressure pump application.



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