

# Mobile Rental Pumping Systems

Don't let equipment downtime disrupt your operations.

## Ensure Continuous Steam Production with Our Mobile Rental Pumping Systems

### Prevent Costly Downtime

- When your Sundyne pumps or other boiler feed water pumps are out of commission—whether due to breakdowns or scheduled maintenance—your steam production must continue.
- The cost of buying supplemental steam from neighboring companies can be staggering.
- Our mobile rental pumping systems are the perfect solution, stepping in to keep your operations running smoothly.

### Quick Deployment, Reliable Performance

- Our mobile rental units can be rapidly deployed to your site, providing a standby boiler feed water pump that eliminates the need for expensive supplemental steam.
- These units are meticulously configured and assembled in our factory, ensuring they are ready to meet your specific application needs from the moment they arrive.

### Advanced Automation and Monitoring

- Our systems come fully automated and equipped with real-time monitoring, guaranteeing peak performance and reliability. You'll have peace of mind knowing that your steam production is in safe hands, with no unexpected interruptions.

### Expert Support Around the Clock

- Each rental pump is backed by our team of highly competent service technicians, available 24/7 to ensure consistent operation. Whether day or night, our experts are ready to address any issues and keep your operations running smoothly.

### Customized Solutions for Your Needs

- We understand that each plant has unique requirements. That's why each of our rental systems is specifically configured for your application, providing a tailored solution that aligns with your operational goals.



### FLEX FLOW BENEFITS

Trailer-mounted system facilitates rapid response

Flexible to match rate and pressure requirements

Lease-to-own or staged purchase options require zero CAPEX

Field-proven reliability with 24 hour support

Automated reporting and monitoring

### FLEX FLOW APPLICATIONS

#### Upstream

- Saltwater disposal
- Water transfer
- Frac protection
- Waterflooding
- Artificial lift

#### Midstream

- Water transfer
- NGL and amine plants
- Pipeline integrity
- Crude/NGL/Refined Products Transfer
- Salt cavern leaching/Storage operations

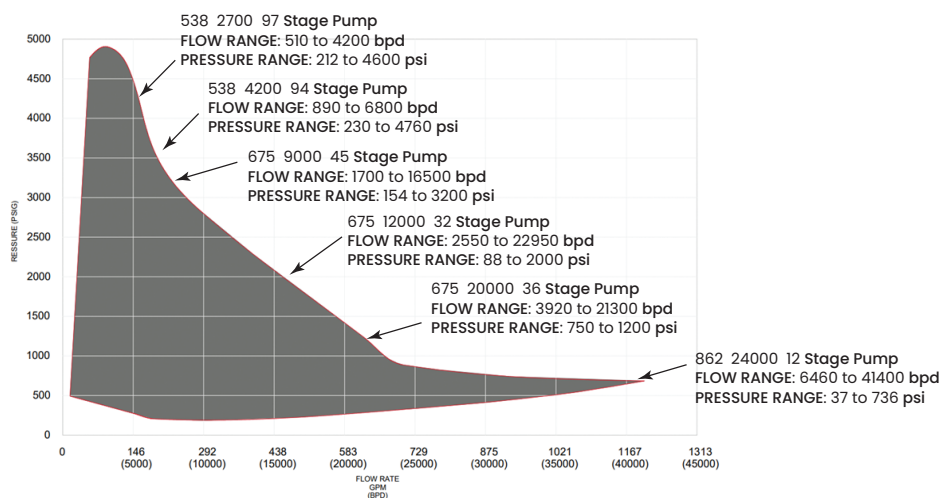
#### Downstream Refining/Storage

- Crude/NGL/Refined Products Transfer
- Petrochemical plants
- Ports and terminals
- Boiler Feed Water
- Hydroprocessing/Hydrocracking or Wash Water

#### Mining

- Solution mining
- De-watering

# Hydraulic Coverage



A **single** Flex Flow HPS can be run with the results as shown above. Multiple systems may be run in parallel or in series and are easily configured in the field. All combinations fit a common skid. VFD and PLC controls offer additional flow and pressure flexibility.

Standard Component	Rating
Motor	Class 1 Div 2
VFD	Nema 3R
Pump	API RP11 S2
Suction transducer	IP 65
Vibration tranducer	IP 68
Discharge transducer	IP 65
Flow meter	IP 65
Mechanical seal	Typ. 2

Operational Ranges	Standard	Optional
Flow (gpm)	30 - 875	N/A
Suction Pressure Limit (psi)	150	2000
Discharge Pressure Limit (psi)	3600	4200
Fluid Temperature (f)	300	400
API Environmental Controls	N/A	ANY



## Flex Flow Components

Centrifugal pump, consisting of stages, each with one impeller and one diffuser

480-V, 3,500-rpm motor, with three horsepower options-300, 500 and 600 hp

Thrust chamber, which carries the thrust load developed by the multistage pump; it connects to the motor shaft on one end and the pump shaft on the other

VFD with HP/kVA delivery capabilities

Dual-pot system for filtering impurities from source water

Charge pump with 10-, 15- and 25-hp options, providing NPSHr of 20 to 60 psi

40-ft trailer with stabilizers or a variety of permanent installation options

## Flex Flow Service Locations

Colorado | Frederick

Louisiana | Shreveport

Pennsylvania | Washington

Texas | Longview, Midland

Wyoming | Casper

Alberta, Canada | Edmonton