

# CENTRIFUGAL JET PUMPS

## POWERFUL PRODUCTIVITY MEETS NEXT-GENERATION INTELLIGENCE

Eliminate the set-it and forget-it operating strategies of the past. Our new centrifugal-jet-pump solutions integrate rugged simplicity with unparalleled physics-based modeling and control.

By integrating two robust and low-maintenance technologies—horizontal pumping system (HPS) and hydraulic jet pumps—with unmatched production intelligence, Weatherford elevates hydraulic jet-lift to a precision science. Operating much like an electric-submersible-pump (ESP) system, our solution delivers trend analyses and real-time control over production parameters, including injection rates, pressures, and vibration management.

Monitored and managed through your existing SCADA system, our centrifugal jet pumps give you an intuitive visualization of actual pump performance along with intelligent alerts that help you maintain productivity. And because the system is fully rigless, field-serviceable, and modular, this durable package produces a wide range of flow regimes with minimal maintenance and maximum uptime.

Leverages  
**WORLD FIRST**  
Jet-Lift intelligence

Delivers a **REAL-TIME WINDOW** into lift performance

Reduces repair downtime  
**BY UP TO 95%**

## Experience Smart Jet Lift

### UNPARALLELED PRODUCTION INTELLIGENCE

with physics-based modeling, real-time controls, and alerts

### HIGH-VOLUME PRODUCTION

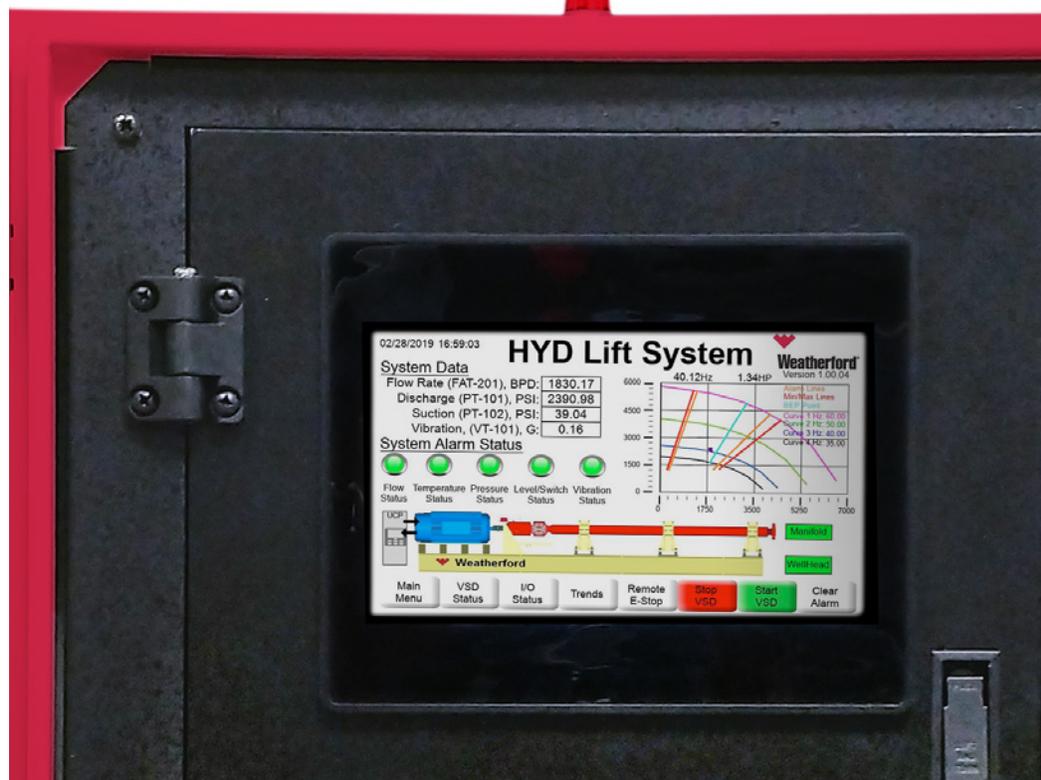
with all moving parts on the surface and rig-free service

### MINIMAL FOOTPRINT

producing multiple wells from a single pad

### ONSITE OR REMOTE-LIFT CONTROL

through an intuitive, SCADA-based interface





## ELIMINATE GUESSWORK FROM PRODUCTION PERFORMANCE

Centrifugal jet pumps are the world's first intelligent jet-lift solution. This complete high-flow system delivers comprehensive and end-to-end production workflows, equipment, and optimization for a real-time window into lift status and performance.

**Enables both onsite or remote-lift control** for injection rate, pressure, and vibration through an intuitive, SCADA-based interface

**Calculates pump-intake pressure and decline rates** through exclusive physics-based modeling

**Generates intelligent alerts** for power-fluid cavitation, production cavitation, and more

**Integrates tornado curves** with the downhole jet pump

**Provides trend analysis** for pressure, flow rate, speed, temperature, and more

## DRIVE HIGH-FLOW UPTIME WITH RUGGED SIMPLICITY

Our centrifugal jet-pump systems are built for years of trouble-free service in unforgiving environments. Designed as an effective precursor or replacement for ESPs in sandy or slugging wells, these systems deliver a reliable initial-lift method for your challenging high-flow assets.

**Produces multiple wells from a single pad** and minimal footprint

**Leverages two field-proven technologies** to produce wells with minimal operating costs

**Handles downhole solids, gas, and slugging** with no cooling issues

**Delivers quiet surface operation** with minimal vibration

**Reduces HSE and environmental impact** with minimal maintenance and few moving parts

## MINIMIZE OPEX WITH ALL MAINTAINABLE PARTS AT THE SURFACE

Weatherford centrifugal jet pumps present the ultimate in reliable, high-flow productivity and are nearly maintenance free. Combining reliable HPS and jet-lift technologies, the system pumps power fluid downhole and back to the surface for automated desanding, separating the production stream, and reinjecting the power fluid downhole.

**Reduces downtime by up to 95%** with rig-free maintenance that's complete in hours

**Requires minimal maintenance** with only regular oiling based on operating hours

**Decreases downtime for repairs** as any component can be replaced in just hours

**Offers flexible installation** with a custom skid or mobile, truck-mounted system

**Eliminates back-end refurbishment costs** inherent to ESP systems