/ ABSMART SERVICES

BOOSTFLOW™

INCREASE PRODUCTION · REDUCE EMISSIONS · REDUCE COST

01 / OVERVIEW

Unlock hidden production potential

BOOSTFLOW™ is an advanced multiphase pumping solution designed to restore and enhance production from low-pressure, liquid-loaded, or shut-in wells by reducing wellhead and manifold backpressure. The system transfers oil, gas, and water together without prior separation, enabling wells to operate under improved flowing conditions and unlocking additional capacity from existing assets.

Delivered as a modular, trailer-mounted package, BOOSTFLOW integrates pressure control equipment, multiphase pumping units, and operational support modules into a single mobile facility that can be rapidly deployed with minimal infrastructure. The technology allows operators to quickly bring inactive wells back online, unload liquid-loaded oil and gas wells, and increase production where surface constraints limit performance.

Operating entirely at surface, BOOSTFLOW eliminates the need for complex well interventions and large equipment spreads, significantly reducing mobilization time, manpower requirements, and overall operational cost. The system can be deployed as a temporary solution for well activation or as a long-term surface boosting facility, and also can be integrated into well testing operations to transfer produced fluids to processing facilities, significantly reducing the need for flaring during well test operations.



BOOSTFLOW SKID — WELLSITE INSTALLATION

Where BOOSTFLOW™ is deployed

01

Well unloading and dead well re-activation

Unlike coiled tubing nitrogen lift, which requires significant time, equipment, and cost, BOOSTFLOW provides a faster, lower-cost solution by bringing dead wells online immediately without complex interventions.

02

Continuous well production boosting

Wells that cannot flow due to low wellhead pressure or excessive surface backpressure can be reactivated using BOOSTFLOW™. It can also be deployed as a long-term surface boosting solution to sustain higher flow rates and resume natural flow.

03

Manifold back-pressure reduction

BOOSTFLOW™ reduces manifold backpressure, allowing all wells connected to the manifold to experience lower flowing pressure and increased production.

04

Flaring reduction during well testing

The system can also be integrated into well testing operations to transfer produced fluids to processing facilities, significantly reducing the need for flaring during well test operations.



BOOSTFLOW SKID — WELLSITE INSTALLATION

Mobile multiphase pumping unit

PARAMETER	SPECIFICATION
GVF capacity	up to 99% for continuous operation up to 100% for short periods
Volumetric rate, liquid equivalent [1]	Up to 50,000 bbl/d
Max pump boost pressure [2]	Up to 960 psi
Ambient temperature	−50 °C to +65 °C / −58 °F to +158 °F
Max pump discharge pressure	1440 psi, ANSI 600
Max pump discharge temperature	65 °C, 115 °C (200 °C available)
Motor power	120 kW x 2
Service	Sour application
Soft start option	Included
Hazardous area certification	Pump structure is Div 1 Class 1
Support equipment	a. 10,000 psi production choke b. 10,000 psi ESD valves and ESD system c. 10,000 psi pipework and manifolds d. Data acquisition e. Laboratory cabin f. Relief lines with ignition system g. Pressure test / injection pump
Personnel	Included

NOTE

[1] Volumes can be increased by setting units in parallel.
[2] dP can be increased by setting units in series.