

400FLEXPump7 pump

Increase ESP system efficiency with exclusive pump design

Expanding operating range

The revolutionary **FLEXPump™ series multistage centrifugal pumps** from Baker Hughes have the industry's highest efficiency and widest operating range, providing operators with the operational flexibility required in dynamic well conditions.

The advanced-engineering hydraulic designs of the pump stages maximize production while extending electrical submersible pumping (ESP) system run life.

Improving pump design

The 400FLEXPump7 pump is a new model in the FLEXPump portfolio and the smallest flowrate 400 series mixed flow pump in the industry. It incorporates state-of-art design, with the ability to handle downthrust at just 50 bpd. The

pump operates reliably and efficiently between 50 and 925 bpd, while the extended range version expands the maximum flowrate to 1200 bpd.

The optimized mixed-flow path with the wide stage vane opening enables the operators to produce low flowrate wells with high challenging sand and gas content where the radial flow pump is less efficient and less durable.

Contact your Baker Hughes representative today to learn how the 400FLEXPump7 pump can increase efficiency and reduce OPEX in your wells with low-flow regimes.

Applications

- Low-flow regimes
- Unconventional oil and gas fields
- Conventional or mature oil fields
- Horizontal or deviated wells

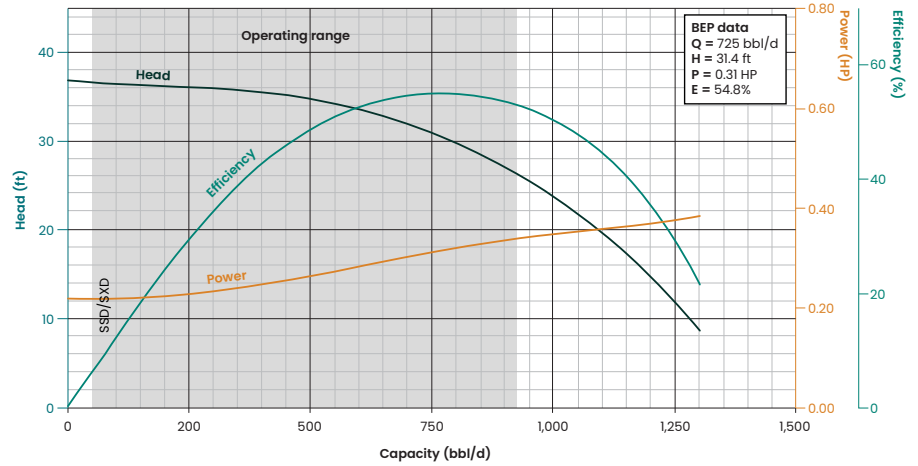
Benefits

- Enhances reliability by reducing pump plugging and improving solids handling
- Enhances gas handling ability
- Offers wider operating range in extreme low-flow conditions
- Delivers higher pump efficiency, lowering OPEX and reducing power costs
- Provides wider stage vane openings
- Offers more flexibility through the well life with extended range design

Specifications

OD, in (mm)	4.00 (101.6)
Standard stage alloy	Ni-Resist™
Stage geometry	Mixed-flow
Flow range, bbl/d at 60 Hz (m ³ /d at 50 Hz)	50-925 (7-123) 50-1200 (7-190) FLEXPumpER7
Head per stage at BEP, ft at 60 Hz (m at 50 Hz)	31.4 (6.7)
Power per stage at BEP, bhp (kW at 50 Hz)	0.31 (0.18)
Efficiency at best efficiency point (BEP), %	54.8
Burst pressure, psi (kPa)	5,627 (38,797)
Standard housing alloys	Carbon steel and 9Cr-1Mo
Standard shaft alloys	Inconel®
Shaft diameter, in (mm)	11/16 (17.46)
Abrasion resistant options	SSD, ER
Radial and axial bearing material	Tungsten carbide
Construction	SSD, ER

FLEXPump7 pump curve
1 stage @ 60Hz 3,500 RPM specific gravity 1.0



FLEXPumpER7 pump curve
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