REDA Continuum extended-life ESP pump

Improve lift, efficiency, and reliability in unconventional and conventional oil wells

Target production rate:
200 to 7,000 bbl/d

Casing diameter:
5½ in or larger

Where it is used
- Wells with casings 5½ in or larger
- Gassy production environments, including slug flow
- Abrasive production environments
- Reservoirs with uncertain productivity
- Wells with frequent stops and starts
- Wells with steep production decline
- Unconventional and tight reservoirs
- Conventional oil wells

How it improves wells
- Improves ESP system reliability
- Increases uptime and extends system run life
- Improves cash flow through accelerated production and continuous operation
- Reduces operating cost through superior hydraulic efficiency
- Enhances performance in gassy and abrasive applications
- Lowers total cost of ownership

How it works
The REDA Continuum extended-life ESP pump improves lift, efficiency, lifetime, and power consumption in unconventional and conventional oil wells with low and slug flow, solids, frequent stops and starts, and production uncertainty.

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What it replaces
Conventional ESP pumps and early conversion to rod lift.

What else I should know
The latest generation of Continuum pumps are fully redesigned, the culmination of four years of sustained improvement efforts involving analysis of thousands of pumps. In addition to other major improvements, the newest pumps feature an advanced tungsten carbide radial bearing design that prevents sand jams and bearing spinning, which reduces vibrations and significantly improves sand and gas handling.
# Continuum Pump Specifications

<table>
<thead>
<tr>
<th>Pump model</th>
<th>1000</th>
<th>2500</th>
<th>4000</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD, in (mm)</td>
<td>4.00 [101.6]</td>
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<tr>
<td>Stage geometry</td>
<td>Mixed flow</td>
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<td>Recommended operating range, bbl/d at 60 Hz [m³/d at 50 Hz]</td>
<td>200–1,350 [31.8–215]</td>
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<td>3,500–7,000 [556–1,113]</td>
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<td>Efficiency at best efficiency point (BEP), %</td>
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<td>Head per stage at BEP, ft at 60 Hz (m at 50 Hz)</td>
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1 Enhanced stability option with tungsten carbide bushing.
2 ARZ abrasion-resistant zirconia bearing, tungsten carbide bushing, and sleeve.
3 Full bearing housing and tungsten carbide bushing.
4 Full bearing housing, tungsten carbide bushing, and keyless sleeve.

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Model 1000 Continuum pump curves.

Model 2500 Continuum pump curves.

Model 4000 Continuum pump curves.