STANDING VALVE GAS PURGE

White Rhino Consulting · Increased Pump Fillage

A simple downhole tool that stops gas from robbing your rod pump, so the barrel fills with liquid, not gas.

AVAILABLE NOW



Stop gas-locking. Pump more liquid.

In a rod pump, free gas accumulates below the standing valve and compresses instead of letting liquid into the barrel. The **Standing Valve Gas Purge** displaces that trapped gas into the wellbore before the standing valve opens, so every stroke moves liquid, not gas.

1. **Eliminates Gas Locking**
   Releases the trapped gas so the pump can properly intake liquid.
2. **Improves Pump Efficiency**
   Higher volumetric efficiency, especially with gas separators or in high-gas wells.
3. **Increases Production**
   Better fill means more fluid lifted per stroke and higher production rates.
4. **Extends BHA Life**
   Less gas compression and fewer inefficient strokes reduce stress and failures.

94.8%	536 BBL/D	Zero
Gas-Free Fillage	Gas-Free Displacement	Gas Lock

Echometer field test: Wolfcamp formation, 6,692 ft pump intake (Jan 2026).

How it works: Installs immediately below the standing valve. Its one-way check valve **vents the gas trapped under the standing valve out to the wellbore** on each downstroke, eliminating the gas column that causes poor fillage and gas lock.

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Email us to order or to set up a trial well.