



# THE BUBBLE BUSTER™

Technical Brief |

## ESP Gas Mitigation Configuration

Operators around the world using ESPs are experiencing higher frequencies of Gas-to-Oil Ratio (GOR) and Gas-to-Liquid Ratio (GLR)-related shutdowns in their wells. For ESP vendors, this requires a shift in strategy including a bolstering of downhole gas management methods.

To confront this demand, Valiant by Flowco presents **The Bubble Buster™**. Tested in lengthy field trials, The Bubble Buster configuration is **proven to reduce gas-related shutdowns and improve oil production** for ESPs in both vertical and horizontal wells.

### Set Up and Results



The Bubble Buster™ configuration consists of inserting a gas handler between two gas separators — below the main production pumps. This subjects gas bubbles in the production fluid to a series of “bursts” as they travel up the string, significantly reducing their size and allowing for their

rapid expulsion into the annulus. 6-month field trials of The Bubble Buster in gas-lock-prone wells resulted in an average of **73% fewer shutdowns, along with an increase of oil production in all cases** — even as gas ratios increased over time.

### Technical Details

|                           |                                                                           |
|---------------------------|---------------------------------------------------------------------------|
| Gas Separation Efficiency | 20% -30% more efficiency compared to standard gas separator configuration |
| Target GLR Range          | 1,000 - 2,000 CF/B;<br>70-75% Gas Volume Fraction (GVF)                   |
| Gas Separator Type        | Vortex                                                                    |
| Gas Handler Type          | Helicoaxial                                                               |

Call **405-605-4567** or contact your Valiant representative to get started