

GasGuard™

In unconventional wells lifted by electric submersible pumps (ESPs), gas slugging can cause significant increases in operational costs and overall system and production inefficiencies. The patent-pending GasGuard slug eliminator provides an innovative solution to this common problem. Disrupting gas slugs before they reach the ESP, the GasGuard enables an uninterrupted flow of liquid through the pump. The result is a more consolidated fluid stream which prevents gas-lock of the ESP and provides adequate cooling of the ESP motor, improving performance and reducing shutdowns.

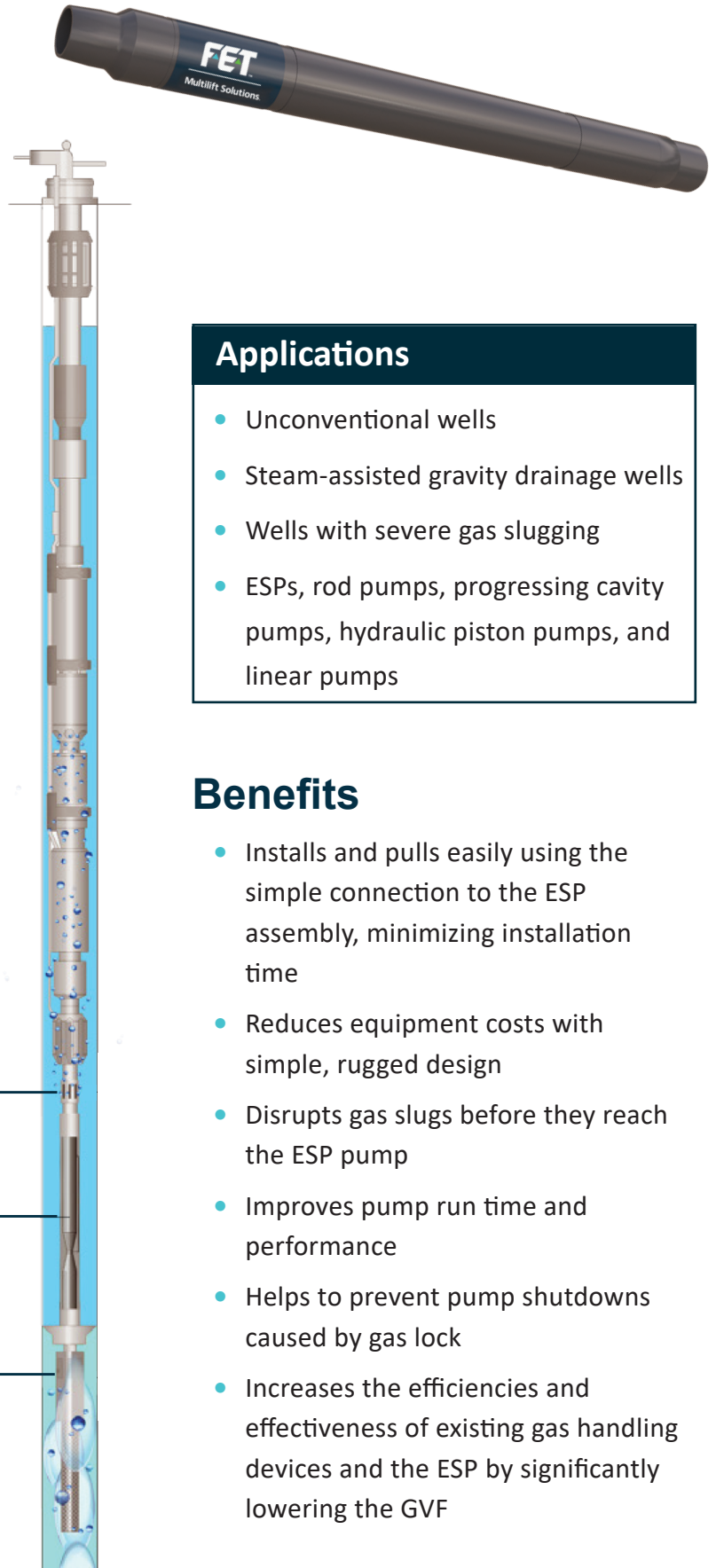
Features

- No moving parts
- Modular design for extreme applications
- Compatible with chemical injection centralizer (CIC), SandGuard and Cyclone products

Fluid Discharge to ESP

Phase Regulator Device

Well-Fluid Inlet



Applications

- Unconventional wells
- Steam-assisted gravity drainage wells
- Wells with severe gas slugging
- ESPs, rod pumps, progressing cavity pumps, hydraulic piston pumps, and linear pumps

Benefits

- Installs and pulls easily using the simple connection to the ESP assembly, minimizing installation time
- Reduces equipment costs with simple, rugged design
- Disrupts gas slugs before they reach the ESP pump
- Improves pump run time and performance
- Helps to prevent pump shutdowns caused by gas lock
- Increases the efficiencies and effectiveness of existing gas handling devices and the ESP by significantly lowering the GVF