

ANGLE PRO STANDING VALVE SERIES



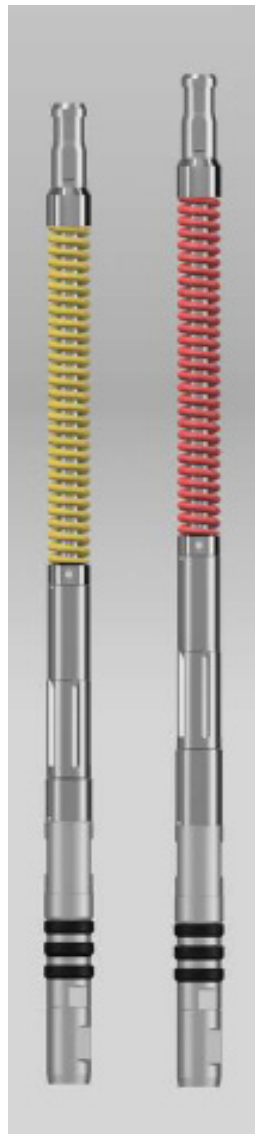
Kaizen Well Solutions AnglePro Standing Valve Series is designed to meet the challenges for completion strings in highly deviated well bores. The AnglePro will maintain a positive seal ensuring maximum fluid retention in the tubing string for all applications. The AnglePro Series is part of a Kaizen single run system with a large area flow path that exceeds other products on the market.

ANGLE PRO RELIEF

The AnglePro Relief Standing Valve with Bottom Hole Spring is designed to provide 100% seal efficiency even at deviations of up to 65 degrees.

- The AnglePro Relief can maintain an overbalance of 65 PSI over the pressure beneath the seating surface, maintaining 40% of a barrel in 2 3/8-inch tubing and 50% of a barrel in 2 7/8 inch tubing.
- The superior sealing capability meets or exceeds that of any relieving valve and bottom hole spring currently on the market.
- The standard configuration includes an Inconel X750 spring with a tungsten carbide ball and seat, ensuring a long service life even in harsh environmental conditions.

APPLICATIONS

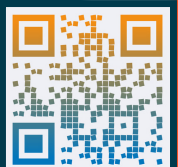


ANGLE PRO EXTREME

The AnglePro Extreme is a non-relieving spring assembly, primarily used in GAPL and PAGL applications up to 82 degrees deviation.

- The AnglePro Extreme also serves as the foundation for the AnglePro Standing Valve in our GAPL designs.
- This innovative design allows for maximum flow-through area and features a seal surface effective up to 82 degrees off vertical.
- When well production declines due to a standing valves inability to hold fluid in the tubing, the Angle Pro Extreme provides an effective solution.

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Large Flow Path exceeds other springs on the market:

- For 2 3/8" : 0.709 sq" (456.78 mm²)
- For 2 7/8" : 1.297 sq" (837.42 mm²)

NACE Options Available

Standing Valve:

- ANGLE PRO RELIEF up to 65 Degrees Deviation
- ANGLE PRO EXTREME up to 82 Degrees Deviation

Relief Option:

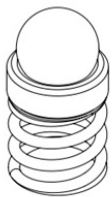
- Opens at 65 PSI (448.16 kPa) differential pressure
- Resets at 55 PSI (379.21 kPa) differential pressure

Nickel Coated HCR 55 Option:

- Resistant against chlorides, corrosion and erosion
- Resistant to scale build-up.

Bottom Hole Spring Design:

- Engineered to dissipate energy efficiently.



ANGLE PRO RELIEF

ANGLE PRO EXTREME

