Optimax™ Well Isolation Valve

Contains wellbore fluids and reduces operational risk

Applications

- Land
- Shallow
- Deepwater
- Conventional
- Unconventional

Features and Benefits

- Isolates pressure from below
- Protects the reservoir from unnecessary damage
- Improves safety by creating an additional downhole barrier
- Simplifies mud program with fewer density change requirements
- Lowers logistic costs by reducing drilling fluid additives
- Alternative for additional downhole pressure and temperature measurements
- Can be used as a sub-surface lubricator for complex completions
- Activation options including radio-frequency-identification (RFID), hydraulic power unit (HPU), and control line to surface
- Full-bore clearance with lock-open tool profile
- Reduces time needed for well cleanup during completions
- Saves time by eliminating the need to kill the well before tripping
- Allows for faster tripping by eliminating surge and swab
- Eliminates snubbing requirements for re-entry

Tool Description

The Weatherford Optimax well isolation valve is designed to hold pressure from below. The Optimax valve is run as an integral part of the casing program and provides a mechanical barrier downhole that allows you to use lightweight fluids during drilling and completion installation operations. This eliminates the need to kill the well with heavy mud or brine, minimizing damage to the reservoir and reducing the time for well cleanup.

The Optimax valve also provides reservoir protection from surge and swab effects, allowing for increased tripping speeds. Additionally, the valve provides a barrier to wellbore fluids including sour gas, protecting people and the environment.

Weatherford®

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Specifications

Size	9-5/8 in. (244.4 mm)
Nominal OD	12 in. (304.8 mm)
Nominal ID	8.535 in. (216.789 mm)
Burst rating*	5,000 to 10,000 psi (34.4 to 68.9 MPa)
Collapse rating*	3,750 to 7,500 psi (25.8 to 51.7 MPa)
Tension rating	1,318,365 to 2,636,730 lb (598,000 to 1,196.000 kg)
Flapper differential	4,500 psi (31.0 MPa)
Maximum temperature	Control line: 350°F (176°C) RFID: 300°F (148°C)
Design criteria	Available to NACE MRO-175 for sour gas applications Tested to API 19V standards for oil and gas applications

*Pressure ratings are dependent on material selections made to meet individual well requirements.,