

# Cflex® F

Enhanced well integrity – Multistage cementing system, cement placement control



The Cflex® F incorporates a flexible annulus cement base designed to deliver high-performance multistage cementing. It provides cement placement control and aims to enable a desired cementing height when performing a stage cementing job.

The Cflex® F cementing system includes a flexible annular cement base, which improves annular seal integrity and overcomes the shortcomings of previous stage cementing technology.

This particular Cflex®'s built-in fundament is activated during the opening of the cement ports, so it prevents a mixture of fluids and creates a solid base for the cement. Qualified "gas tight", tested according to ISO 14998, and with a permanent lock system, Cflex® F performs to the highest integrity standards.

With this Cflex®, it is possible to activate permanent lock with hydraulic pressure. Its fundament prevents cement contamination and can hold differential pressure. It is mechanically activated, so there is no need to pressure the well to activate the fundament.

## Benefits

- Provides cement direction control
- Improved method of retaining cement
- Minimizes cement contamination
- No extra operation needed to activate the cement fundament

## Features

- Cement valve included in an ISO 14310/14998
- VO Cflex stage cementing valve, which ensures no bubbles
- Steel enforced rubber ring that is expanded to the ID of the next casing/open hole
- The cement fundament eliminates the need to use additional equipment such as ICP or "basket type" to form a fundament for the cement
- The fundament is fully mechanical, will always be activated when the valve is opened