

RETRIEVER - MKII

Downhole Filtration Management Tool



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Description

The Retriever is a unique down hole tool for the filtration of well fluids. The filtration function is isolated while running in hole and circulating. Pipe movement activates the tool to filter well fluid when pulling out of the hole. Downhole debris is trapped in a separate sump independent of the fluid flow path. The filtration element is protected mechanically and hydraulically during downhole operations.

Features

- Through rotational configuration
- Full through bore
- Robust construction
- No surface or manual intervention or manipulation required
- Activation sleeves controlled by pipe movement
- Single direction filtration – POOH
- Sleeves locked for pipe reciprocation
- Modular body section for increased debris capacity
- Debris-fill inspection ports
- Available in 9⁵/₈" and 7"

Advantages

- No restriction on running rates
- Filter screen not exposed mechanically or hydraulically
- Fully automatic – tool activated by pipe movement
- Large sump volume for debris collection
- Filtration does not rely on settling or gravitational effects
- Option to reverse circulate
- Integral circulation ports for dual string cleaning

Properties (9⁵/₈" Casing Tool)

- Overall length: 191" (15'-11")
- Max Body OD: 7⁵/₈"
- Sleeve OD: To Tubing Drift
- Connections: 4-1/2" IF Box x Pin
- Filter Size: 10 gauge (0.254mm) – or to customer specification
- Filter open area for 10 gauge: 10.1% (15 x internal bore area)

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