

Tornar® WellFilter

Clean and solids free wellbore

The Tornar® WellFilter validates effectiveness of the displacement operation by filtering well fluids while pulling out of hole. It is designed to remove debris from any wellbore.



Benefits

- Easy to empty debris window
- Verification of a clean wellbore
- High strength mandrel
- Simple to run
- Large debris capacity
- One piece mandrel
- Multiple run possible
- Withstand drilling and milling operations

Applications

- Wellbore clean-up operations
- Shallow or deep wells operation
- Debris barrier for barriers plugs
- Junk basket when cleaning BOP and Riser
- Wells with any type of downhole fluids
- Allows running in combination with any LOCK® Plug for BOP testing, pipe hang off and well cleaning

Features

- Verification and capture of debris within any wellbore using proprietary in-house developed technologies
- Automatically close filter bypass valve
- Diverter cup for debris risk management
- Load bearing for supported diverter cup to manage wear of critical parts
- Rupture disk to prevent swabbing when pulling out of hole fully
- One piece mandrel for higher strength
- No external nuts or bolts
- Large bypass areas for limiting flow restrictions

The Tornar® WellFilter can be integrated as a part of a complete wellbore cleaning tool string used during displacement process prior to running completion.

The WellFilter is positioned in the casing below the wellhead during BOP and Riser cleaning. This creates a wellbore debris barrier. The same applies for running a combination of Tornar® BOP Cleaner and LOCK® where the WellFilter create a barrier for debris to fall on top of the LOCK®.

As the wellbore cleanup string with the Tornar® WellFilter is run in hole, the wiper cup cleans and removes debris from the casing ID. The Tornar® WellFilter is equipped with an automatic by-pass valve for fluid by-pass when running in hole. This valve eliminates swab, surge and debris to bypass the filter.

Specifications

Casing sizes	9 5/8" to 14"
Max tripping speed	Limited by rig equipment
Flow area thru sliding valve	from 28 241 mm ² - 43,77 in ²
Flow area around tool	from 7292 mm ² / 11.303 in ²
Debris volume	30 liter
Burst discs	4 with 0.60 in ² area each
Maximum operational rotation	120 rpm
Max working Temperature	120°C / 248°F
Material (main body)	AISI 4130 125 KSI
Connections	XT50 Box/pin

Specifications may be subject to change



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