

# 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.

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.

### 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

### Features

- Verification and capture of debris
- Automatically close filter bypass valve
- Diverter cup for debris risk management
- Supported diverter load bearing
- Rupture disk to prevent swabbing
- One piece mandrel for higher strength
- No external nuts or bolts
- Large bypass areas for limiting flow restrictions

### Specifications

Typical casing sizes	From 7 5/8" to 10 3/4"
Max tripping speed	Limited by equipment
Temperature rating °F (°C)	68-266 (20-130)
Debris volume	Up to 30 liters/ 79 usgal
Burst discs	4 with 0,60 in² area each
Maximum operational rotation	120 rpm
Max working Temperature	120°C / 248°F
Material (main body)	AISI 4130 125 KSI
Connections	Premium

Specifications may be subject to change.