



DEBRIS RECOVERY

DOWN HOLE FILTER TOOL

TECSEP's Down Hole Filter Tool is a drillpipe-conveyed, POOH activated downhole filter that removes debris from the wellbore fluids. It does not require activation via ball or dart. Its unique expanding and retracting wiper cup, provides positive contact between tool OD and the casing ID as the tool is POOH, which enables filtering 100% of the wellbore fluid through the integral system.

All filtered debris is captured inside the solid debris catchment area and can be emptied at surface by loosening a single bolt. Once emptied and inspected, the tool can be re-run, if required.

UNIQUE EXPANDING AND RETRACTING WIPER CUT APPLICATIONS

- Filtration of completion fluids
- Debris extraction

ENABLES FILTERING 100% OF THE WELLBORE FLUID FEATURES AND BENEFITS

- The tool features a one-piece mandrel and has non-rotating centralizers and components.
- Outer filtration cup allows a large circulating flow area around the tool and maintains casing ID contact while pulling out of hole (POOH).
- The system is self-activating by POOH. No ball or dart is required.
- Internal wire-wrapped screen is protected by a steel skin.
- The integral pressure relief system can be set according to well conditions, which prevents swabbing if the tool fills with debris.



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TOOL SPECIFICATION



Connetion	NC 50
Maximum RPM	120
Maximum makeup torque	33,100 ft/lb
Maximum flow rate (BPM)	25
Tool length	16.6 ft
Max OD (in.)	Determined by casing drift
Drift ID	2.25 in.
Tensile yield	978,700 lb
Torsional yield	61,000 lb
Cup size	Determined by casing ID
Filter screen size (gauge)	25
Debris sump capacity	4.1 gal
Temperature rating	300° F (149° C)
Materials	Alloy steel 120 KSI minimum yield strenght