



DRILLPIPE DEBRIS TRAP DECK UNIT (DPDT-DU) – GEN 4

Current pit trash and well trash filtering systems require expensive consumables and multiple units based on flow direction or operational efforts. The Gen 4 DPDT-DU is a 15ksi rated active surface filter meant provide reliability and durability above and beyond expectation with customization available for long term installations.

The Gen 4 DPDT-DU has been simplified for single directional flow based on historical usage. It still contains wire wrap screens customized based on customer mud and brine fluid systems and may be sized to even capture gravel pack sand. The unit contains single 3" 1502 WECO connections for inlet/outlet integration ease and for bypassing in the event of severe plugging, thus permitting rates in excess of 18bpm. Standing out, the unit is capable of backflushing individual barrels while still going downhole; eliminating operational pause or preventing downtime during critical pumping operations. An integrated capturing system allows for inspection of captured debris during the operation as well as after. Digital gauges are provided to identify which side of the unit is experiencing plugging and to allow an accurate gauge of pressure drops for the surface system. If desired, the simplified and compact DPDT-DU Gen 3 may be mobilized for short and simple operations or the DPDT in-line may be adapted to a single joint of drillpipe permitting installation on the deck, below the top drive, or in a downhole BHA.

BENEFITS

- 12ft x 8ft footprint services two zones (i.g. standpipe manifold and boost line) with a single unit.
- Screens may be customized to filter as tight as desired without stripping weighting agents.
- On the fly backflushing eliminates downtime.
- No need to retest.
- No daily consumables.
- On the fly inspection of debris.
- HP barriers eliminate valves from HP Iron provider.

FEATURES

- Backflush on the fly.
- Content capture and inspection point
- 2 Zone Independent Barrel system each with primary, backup, and bypass.
- 2 Zone bypass capability.
- Secondary containment for Barrel capacity.
- Remote pressure digital readout.