

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

The Gen 4 DPDT-DU has been simplified for single directional flow based on historical usage.

It still contains wire wrap screens gauged 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 bypassing in the event of severe plugging, thus permitting rates in excess of 8bpm.

The unit is capable of backflushing individual barrels while still going downhole; eliminating operational pause or preventing downtime during critical pumping operations.

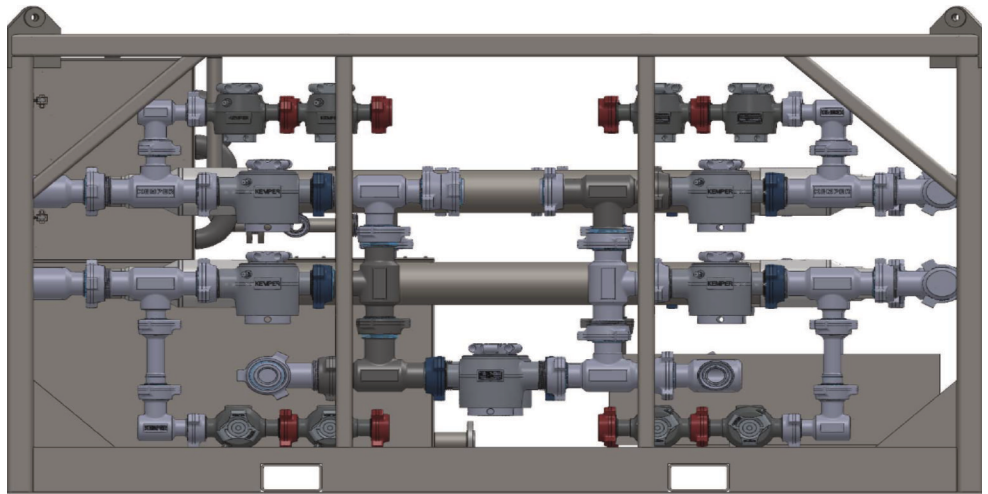
An integrated capturing system allows for inspection of captured debris during the operation.

Digital gauges are provided to identify which barrel is experiencing plugging and to allow an accurate gauge of pressure drops for the surface system.

Alternatively, the compact DPDT-DU Gen 3 may be mobilized for shorter, simple operations or the DPDT-IL may be adapted to a single joint of drillpipe permitting installation on deck, below the top drive, or downhole.

SPECIFICATION

- 15,000psi HP rating (3" 1502 WECO FxM)
- 200psi LP rating (double isolation per Barrel)
- 5,700psi Dp across screens
- Greater than 18bpm per Barrel
- Nitril Seals default elastomer
- Outlet ID restriction of 3.187"
- Onboard backflushing and inspection point:
 - Pump Type: Centrifugal Pump
 - Max Flush Rate: 9.5bpm
 - Power: 3phase; 230/460V; 70amp
 - Flush Reservoir: 225gal
 - Screen Basin 1: 0.125"
 - Screen Basin 2: 0.030"
 - Screen Basin 3: 0.006"
- Capacities:
 - Barrel Hydrated Capacity: 13gal
 - Barrel Dehydrated Capacity: 0.99 ft3
 - Unit Hydrated Capacity: 52gal
 - Unit Dehydrated Capacity: 3.9ft3



The Gen 4 DPDT-DU is a 15ksi rated active surface filter meant to provide reliability and durability beyond expectation with customization available for long term installations.

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.
- HP barriers eliminate valves from HP Iron provider
- Bypass line provided per zone