



SafeDEflo™ UDW

FILTRATION EQUIPMENT

Overview

TETRA SafeDEflo™ UDW plate and frame diatomaceous earth (DE) filtration package is designed to offer state-of-the-art filtration solutions to the challenges presented in Ultra Deep Water (UDW) environments. The SafeDEflo UDW package is recommended for well volumes greater than 750 barrels.

SafeDEflo UDW systems are sized to offer flow rates between 20 and 50 bbl/min, with optimal hydraulic filtration performance. Actual field performance may vary due to brine composition, density and solids type and concentration.

Our SafeDEflo filtration packages include the following: filter press, auxiliary skid, diesel driven centrifugal pump, and 200 feet of hose with connections and guard filter. All of the SafeDEflo filtration equipment is skid mounted. The presses all have blowdown capability, stainless steel manifolds, and gasketed plates, and allow manual override of the hydraulics system.

System Advantages

- Multiple components provide configuration flexibility, allowing most efficient use of rig space
- Four corner discharge plates
- In-line manifold system
- Filter Skid is only one foot longer than 1,500 sq ft unit
- Stackable

Equipment Specification Information

Unit Size	2,084 sq ft
Flow Rate	20 to 50 bbl/min
Density Range	8.4 to 18.0 lb/gal
Footprint (L x W)	25 ft x 25 ft

Optional SafeDEflo Automated DE Delivery System

- Automated dispensing system with precision control panel
- Six (6) preloaded intermediate bulk carriers, each containing 1,000 pounds of DE material





2,084 Square Foot Plate and Frame DE Package

Unit	Weight (LBS)	Dimensions (FT)
Filter Press	28,400	19.5 (L) x 5 (W) x 7.7 (H)
Mixing/Pod Skid	14,500	19 (L) x 7 (W) x 7.5 (H)
Pump Skid	11,000	12 (L) x 6 (W) x 6 (H)
Bulk DE Load Station	1,640	9.5 (L) x 5.7 (W) x 4.1 (H)
Mixing/Pod Skid Extension*	1,200	19.1 (L) x 4 (W) x 4 (H)
Dual Press Stack Platform*	2,140	19.1 (L) x 11.3 (W) x 4 (H)
* Optional Equipment		

Location Requirements

Air Supply: 120 cfm at 125 psi

Electricity: 480V, 200A, 3-Phase

Fresh Water

Brine Feed: >40 bbls/min

Crane Access for use with IBC's

Additional Information

Equipment meets C1D2 Specifications

Built to DNV 2.7-1 and API RP2-A Standards

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