



FEATURES



HIGH PERFORMANCE

With a processing capacity of up to 500 gallons per minute and the ability to separate particles as small as 10µ, the ES 500 delivers unmatched performance for fluid recovery and solids management.



VERSATILE APPLICATIONS

Providing over 4,200 gallons of onboard tank capacity, this environmental dewatering system ensures continuous operation for large-scale projects such as drilling operations, soil remediation and construction dewatering.

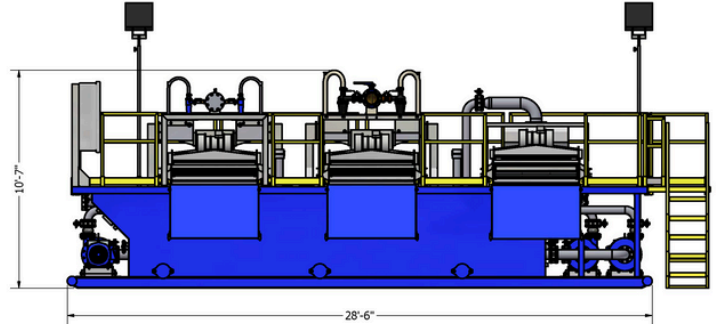
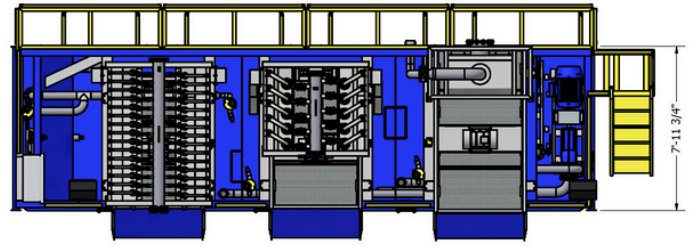
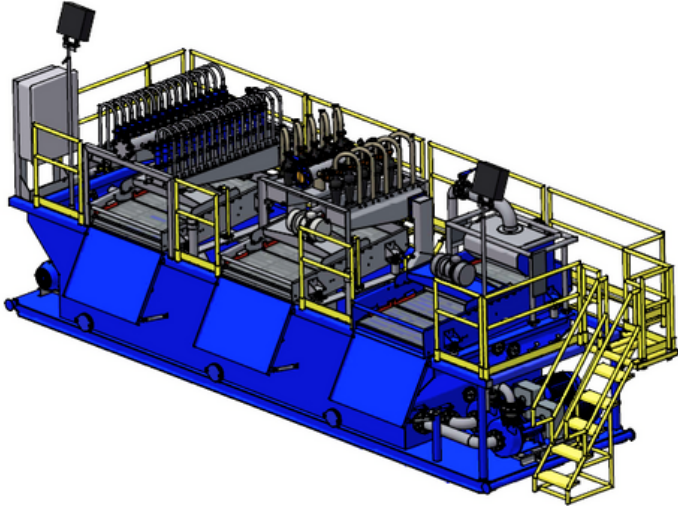


ADVANCED FILTRATION

Equipped with three 146E elliptical motion scalping shakers, paired with ten 4-inch desilter hydrocyclones and thirty 2-inch desilter hydrocyclones, the ES 500 efficiently handles a wide range of solid sizes, adapting to diverse project needs.

500 GPM DEWATERING SYSTEM 10-MICRON PARTICLE SEPARATION CAPABILITY

ES 500



EQUIPMENT

SHAKERS	3	TFI 146E Elliptical Motion Scalping Shakers 3 Screens Per Shaker Shaker Bed Area 24 ft ² (2.3 m ²) Screen Size 25" x 49.3"
DESILTERS	10	4 in. (10.2 cm) Hydrocyclones
	30	2 in. (5.1 cm) Hydrocyclones
PUMPS	2	4X5 250 Series Centrifugal Pumps with 40HP Electric Motors
	1	4X5 250 Series Centrifugal Pump with 30HP Electric Motor
MUD GUNS	3	Stationary Mud Guns

WEIGHT AND DIMENSIONS

WEIGHT	24000 lbs (10886 kg)
LENGTH	28 ft 6 in. (8.7 m)
WIDTH	7 ft 11 3/4 in. (2.4 m)
HEIGHT	10 ft 7 in. (3.2 m)

TANK CAPACITIES

MAX CAPACITY	4282 gal (16.21 kL)
# OF TANKS	3
SCALPER TANK	991 gal (3.75 kL)
DESILTER TANK 1	1491 gal (5.64 kL)
DESILTER TANK 2	1800 gal (6.81 kL)

GENERAL SPECIFICATIONS

INLET SIZE	4 in. (10.2 cm)
OUTLET SIZE	4 in. (10.2 cm)
CONTROL PANEL	Centralized Weatherproof NEMA 4x Control Panel
POWER REQUIREMENTS	165 AMPS
CORROSION CONTROL	Chemical/Abrasion Resistant Mastic Tank Lining
FRAME TYPE	Skidded
LIGHTING	2 Telescoping LED Work Lights

OPTIONAL ADD-ONS

PIT PUMP	TFI 4 in. Semi-Submersible
GENERATOR	160kW 460v/60Hz
TRAILER	Gooseneck/Pintle/Integrated
WIRED REMOTE	Pit Pump/Charge Pump
WINTERIZATION	Tank Heaters, Pipe Insulation +
BRANDING	Custom Colors and Logos
ELECTRICAL	XP Package

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