



**FEATURES**



**POWERFUL AND CONSISTENT  
FLUID CIRCULATION**

Equipped with two centrifugal pumps, the MFS 4000 ensures a steady and consistent flow, maintaining balanced pressure throughout the system. This optimizes performance at each stage of solids separation for efficient and reliable operation.



**ENHANCED MUD MIXING  
AND AGITATION**

Four stationary mud guns deliver continuous, powerful agitation throughout the tank, preventing sedimentation and keeping solids in suspension. This ensures a uniform, high-quality mud consistency for more efficient drilling and improved overall performance.

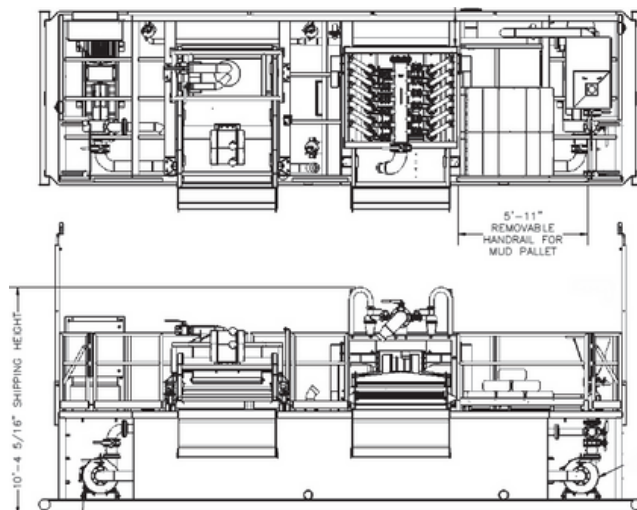
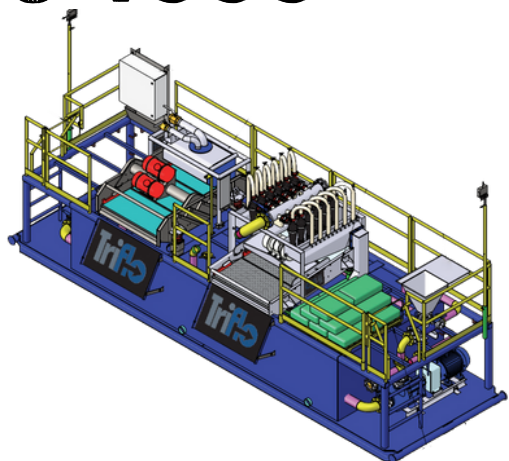


**HIGH-EFFICIENCY SOLIDS  
SEPARATION**

A linear motion scalping shaker removes large solids, followed by twelve 4-inch hydrocyclone desilter that capture fine particles, with an elliptical shaker providing precise final screening for a clean, high-quality mud supply.

**600 GPM MUD FILTRATION SYSTEM  
24-MICRON PARTICLE SEPARATION CAPABILITY**

# MFS 4000



## EQUIPMENT

<b>SHAKERS</b>	<b>1</b>	TFI 146L Linear Motion Scalping Shaker 3 Screens Per Shaker Shaker Bed Area 24 ft <sup>2</sup> (2.3 m <sup>2</sup> ) Screen Size 25" x 49.3"
	<b>1</b>	TFI 146E Elliptical Motion Shaker 3 Screens Per Shaker Shaker Bed Area 24 ft <sup>2</sup> (2.3 m <sup>2</sup> ) Screen Size 25" x 49.3"
<b>DESILTERS</b>	<b>12</b>	4 in. (10.2 cm) Hydrocyclones
<b>PUMPS</b>	<b>1</b>	4x5 250 Series Centrifugal Pump with 40HP Electric Motor
	<b>1</b>	4x5 250 Series Centrifugal Pump with 50HP Electric Motor
<b>MUD GUNS</b>	<b>4</b>	Stationary Mud Guns
<b>HOPPER</b>	<b>1</b>	TFI 4 in. Mud Hopper with Venturi Jet

## WEIGHT AND DIMENSIONS

<b>WEIGHT</b>	21000 lbs (9525 kg)
<b>LENGTH</b>	27 ft (8.2 m)
<b>WIDTH</b>	7 ft 10 in. (2.4 m)
<b>HEIGHT</b>	10 ft 5 in. (3.2 m)

## TANK CAPACITIES

<b>MAX CAPACITY</b>	3961 gal (14.99 kL)
<b># OF TANKS</b>	2
<b>SCALPER TANK</b>	1823 gal (6.90 kL)
<b>DESILTER TANK</b>	2138 gal (8.09 kL)

## GENERAL SPECIFICATIONS

<b>INLET SIZE</b>	4 in. (10.2 cm)
<b>OUTLET SIZE</b>	4 in. (10.2 cm)
<b>CONTROL PANEL</b>	Centralized Weatherproof NEMA 4x Control Panel
<b>POWER REQUIREMENTS</b>	135 AMPS
<b>CORROSION CONTROL</b>	Chemical/Abrasion Resistant Mastic Tank Lining
<b>FRAME TYPE</b>	Skidded
<b>LIGHTING</b>	2 Telescoping LED Work Lights

## OPTIONAL ADD-ONS

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

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