

MCM-4000™

Drilling Fluid Cleaning System



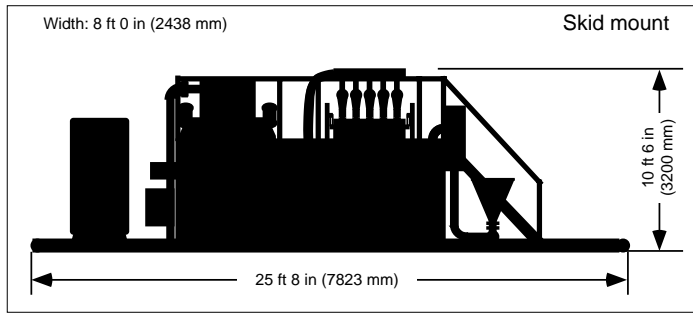
Photo may show optional equipment

The First Name In Large Drills Is Now The Last Word In Mud Systems

- MANUFACTURED BY the world's most experienced builder of large directional drills
- RECLAIMS BENTONITE to minimize use
- MIX, CLEAN AND TRANSFER at the same time
- REDUCES VOLUME OF SOLIDS by control of moisture content for easier disposal
- LARGE TANKS—1,333 U.S. gallon screen (dirty) tank, 2,667 U.S. gallon clean fluid/mixing tank
- SIX KVA OF AUXILIARY POWER with 2 duplex outlets with GFI
- COMPACT SIZE for easier transportation, smaller jobsite foot print
- PROCESSES UP TO 560 U.S. GAL/ MINUTE*
- ON BOARD 90 kW GENERATOR SET to power screen shaker, pump motors and lights
- TWO TANDEM LINEAR SCREEN shakers, electric motor driven, are more efficient and require less maintenance than orbital type
- MUD JET AGITATION SYSTEM
- CENTRIFUGAL circulating pump
- SEVEN 5-INCH DESILTER CONES with individual shut off valves
- OPTIONAL TRASH PUMP, electric driven
- FACTORY DIRECT SERVICE for fast support by knowledgeable technicians
- SKID MOUNT is standard, trailer optional

*Based on 60-second mud returning with 30% solids by volume, cleaned to 3% solids at 25 micron size or less

MCM-4000 Drilling Fluid Cleaning System



Electrical

Generator	480 volt 3 phase - 100 kW intermittent, 90 kW continuous
Auxiliary electrical	120/208 volt A.C. 6 kva 2 x duplex outlets with Ground Fault Interrupter 2 x 500 watt quartz work lights

Engine

Engine	Caterpillar® diesel 6 cylinder naturally aspirated 166 HP (123.8 kW) intermittent
Rating	150 HP (111.8 kW) continuous duty
Fuel capacity	42 U.S. gallons (160 L)

Tanks

Screen (dirty) tank	1,333 U.S. gallons (5045 L)
Clean fluid/mixing tank	2,667 U.S. gallons (10,095 L) With cleanout covers. Epoxy coated interiors.

Screens

Two linear motion shakers (46 x 55 inch, 1168 x 1397 mm) driven by electric motor, fold-down discharge chute for cuttings. Various screen mesh sizes available.

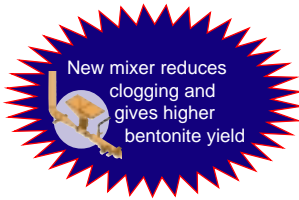
The rule of thumb is that the cleaning system should have 1.5 to 2 times the capacity of the mud pump on the job. The MCM-4000™ is suitable for use with drills whose mud pump output is 200 to 260 gallons per minute.

Fluid Handling System

Rated Capacity	Up to 560 gpm (2120 L/min)
Circulating Pump	Centrifugal, electric driven, 5x6 30 hp (22.4 kW)
Desilting	Seven Five inch cones (5 units) with manifolds and valves, fed by 3x4x20 HP (14.9 kW) centrifugal cone supply

Mud agitation Eight jets

Bentonite mixer Dry bentonite mix hopper and mixing system shears bentonite four times for maximum yield. Coated butterfly valve reduces clogging.



Protective Equipment

Work lights are standard. Electric motors are equipped with motor starters with overload relays. Machine has an emergency shut down switch. Supplied with electric grounding stake and cable. Safety railings around elevated work surfaces.

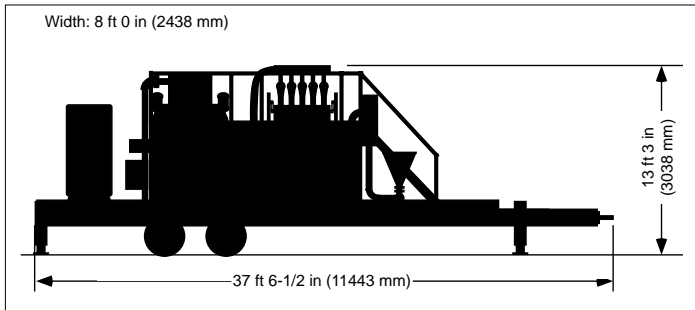
Options

Trash pump Electric driven with circuit protection, with 100 ft (30.5 m) of 4-inch discharge hose with cam-lock fittings

Wash down system 110 gallon (415 L) poly tank, 1500 psi electric driven pressure pump, 100' (30.5 m) hose, hose reel

Trailers Tandem dual axle tag trailer

Trailer mount (optional)



Due to our continuing product improvement, specifications are subject to change without notice.
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