



# MCM-2000™

## Drilling Fluid Cleaning System



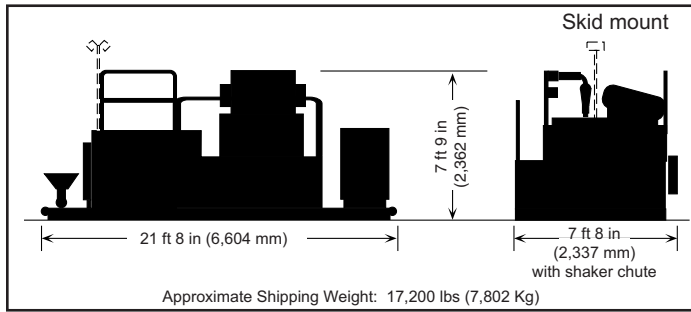
Photo shows optional equipment

## Mobile mud cleaning system offers increased capacity, flexibility to work with any brand of directional drill

- Large tanks—650 U.S. gallon (2,461 L) screen (dirty) tank, 1,350 U.S. gallon (5,110 L) clean fluid/mixing tank
- Processes up to 320 U.S. Gallons per Minute\* ( 1,211 Liters/min)
- Unique mix hopper with in-line strainer unit is standard
- Mix, Clean and Transfer material at the same time
- Reclaims bentonite to minimize use
- Reduces volume and costs of off-site disposal.
- Compact size for easier transportation, smaller jobsite foot print
- Onboard 47 hp (36 kW) generator set to power screen shaker, pump motors and lights
- Dual-screen linear motion shaker, electric motor driven, is more efficient and requires less maintenance than orbital type
- Mud jet agitation system
- Centrifugal circulating pump
- Four (4) Five-inch (127 mm) desilter cones with individual shut off valves
- Fast, knowledgeable support by local technicians
- Six KVA of auxilliary power with two (2) GFI duplex outlets
- Clean water fill port is valved and routed over screen
- Two (2) 500-watt Quartz lights
- Optional electric-driven trash pump available
- Optional trailer-mounted unit available for easy transport to and from jobsite

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

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## Electrical

Generator	480 volt 3 phase - 40 kW intermittent, 36 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 4 cylinder naturally aspirated
Rating	60 HP (44.6 kW) continuous duty
Fuel capacity	42 U.S. gallons (160 L)

## Tanks

Screen (dirty) tank	650 U.S. gallons (2,461 L)
Clean fluid/mixing tank	1,350 U.S. gallons (5,110 L) With cleanout covers. Epoxy coated interiors.

## Screen

Tandem linear motion shaker (48 x 60 inch, 1,219 x 1,524 mm) driven by electric motor, fold-down discharge chute for cuttings. Various screen mesh sizes available.

The rule of thumb is that a cleaning system should have 1.5 to 2 times the capacity of the mud pump on the job. The MCM-2000™ has a **rated cleaning capacity of 320 gpm**. It is suitable for use with drills whose *mud pump output* is 160 to 210 gallons per minute.

## Fluid Handling System

Rated Capacity	Up to 320 gpm (1,211 Liters/min)
Circulating Pump	Centrifugal, electric driven, 3x4 15 hp (11.2 kW)
Desilting	Five inch cones (4 units) with manifolds and valves, fed by 2x3x10HP (7.46 kW) centrifugal cone supply

Mud agitation Three jets

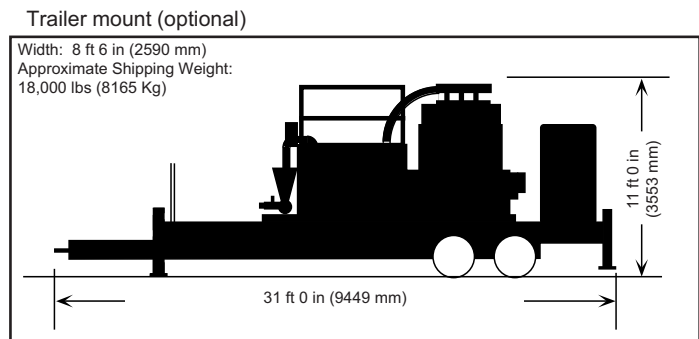
Bentonite mixer Dry bentonite mix hopper and mixing system shears bentonite four times for maximum yield. Coated butterfly valve reduces clogging.

## 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 3 inch discharge hose with cam-lock fittings
Wash down system	50 gallon (189 L) poly tank, 1500 psi electric driven pressure pump, 100' (30.5 m) hose, hose reel
Trailers	Tandem dual axle tag trailer



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

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