

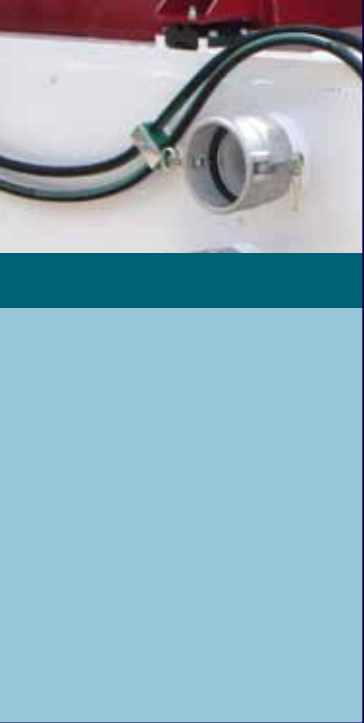
**JKS BOYLES**



M U D P U P P Y

M U D R E C Y C L I N G S O L U T I O N S

The Innovators



# Mud cleaning and recycling systems

JKS Boyles are the proud distributor of the **Mud Puppy**, a system which cleans and recycles mud saving your equipment, cost and time cleaning up.

The **Mud Puppy** range offers three sizes of unit which can cope with cleaning up to 415GPM of mud whilst holding 830 gallons in its reservoir tank. Mud is pumped from the hole along with all cuttings, rocks and sand to the cleaning system, then back to the hole once cleaned. This process means you need only mix the amount of mud needed to drill the hole, the pumps, drill string and swivels all last longer as there is little abrasives in the mud to cause wear, and you are left with a cleaner drill site, as all waste is removed and disposed of in one spot away from the hole.

The complete line of **Mud Puppies** have been designed, engineered, built and tested by professionals. They are compact, light weight and self-contained and use Deutz diesel engines and centrifugal pumps, along with a unique patented designed, sloped walled, powder coated reservoir tank, to ensure your drilling fluid is cleaned and reused.



# Recycling the mud

The **Mud Puppy** has the capability to clean water within 2% of its original state.

All units within the range use two processes when cleaning mud to ensure the drilling fluid can be recycled and used to the efficiency of the first time it is pumped down the hole.

The first process is with the use of a shaker screen. When the mud is drawn from the hole it is first discharged onto a fine mesh, which constantly moves from side to side spreading the mixture across it. This allows the drilling fluid to fall through whilst larger items such as rocks and cuttings remain on the mesh until they are shaken off its bottom edge and removed from the system.

10 mesh screens are fitted as standard, however there are different sizes of mesh which can be fitted appropriate to type of drilling fluid being used and formations being drilled.

The second process starts as the drilling fluid falls from the first mesh into the reservoir tank. The specially designed sloped tank causes a swell in the water, causing some sediment to drop and get caught in the sand traps, whilst the remaining fluid cascades over the dividing wall from where it is pumped into the desander cones. Under correct pressure and flow the cones remove as much sand as possible before discharging the sand onto a much finer shaker screen, where again anything larger than the fluid itself stays in the screen and is removed from the system, whilst the drilling fluid falls through this and the original screen back into the reservoir tank.

The cleaner drilling fluid is then pumped back into the hole to be reused.



- > Fast and easy to set up
- > No settling pit to dig and fill
- > Save money with clean mud



# Mud Puppy range of recycling systems

The Mud Puppy units are available in three sizes to be able to cope with different flow rates.



Specification	MP170-2SC	MP255-2SC	MP255-100
Tank Capacity	500 gallons	830 gallons	830 gallons
Deutz Diesel Engine	BF4L2011	BF4L2011	BF6L914
Horse Power	79	79	179
Fuel Capacity	78.8 litres	78.8 litres	110 litres
Desander Cones	2 – 5" cones	3 – 5" cones	3 – 5" cones
Flow Capacity	290 GPM	415 GPM	415 GPM
Screens	2 3ft x 5ft	2 4ft x 5ft	2 4ft x 5ft
Mud Delivery Pump	-	-	4" x 3" x 13"
Speed Control	-	-	0 – 3500rpm 0 – 100 HP
Assembly Weight	1814kg	3175kg	4309kg
Assembly Height	1981mm	2286mm	2286mm
Assembly Width	1676mm	1981mm	1981mm
Assembly Length	3353mm	4267mm	4877mm

**JKS BOYLES**

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