

# 10" & 12" Cast **SAND GUZZLER**

BY  
Tibban MFG. Inc.  
[SandGuzzler.com](http://SandGuzzler.com)

*Read Completely before operating the Sand Guzzler Pump.*



## **Installation:**

Connect the hydraulic hoses so as to make the impeller rotate in a clockwise rotation as viewed from the top of the pump.

- Dig a ditch from the well being drilled to a small pit just outside the drill. Set the Sand Guzzler in the pit deep enough for the mud to cover the hydraulic motor.
- The mud in the pit will rise and fall during normal operation. The speed should be adjusted so as to make the pump run about 100 RPM faster than needed to pump all the drilling fluid.
- The Sand Guzzler can run dry. There are no seals or bearings in the mud. The air will discharge from the SAND GUZZLER automatically while operating.
- ***Caution: Keeps hands away from the impeller. Serious injury or death can occur.***

## **Hydraulic Hoses:**

The case drain is a must. Do not run the Sand Guzzler Pump without the case drain attached. The case will not drain through the discharge side of the motor. The motor can be reversed momentarily when needed to clear a rock or clog.

The case drain hoses should be routed back to the hydraulic tank with no obstruction between. If the return line pressure exceeds 100 psi, the shaft seal will be pushed out and will leak oil. The SAND GUZZLER pump will run best at about 1200 RPM. The faster the pump turns the faster the housing will wear. The SAND GUZZLER can be run as fast as 3000 RPM and will take up to 3000 psi. Do not over pressure the motor. The motor will slow if damaged from over pressure.

**Hydraulic Motor 12":**  
Eaton Piston I.50 CID  
Max. RPM 3000  
Max. PSI: 5000 Continuous  
20 GPM @ 3000 RPM  
7.8 GPM @ 1200 RPM

**Hydraulic Motor 10":**  
Eaton Piston I.50 CID  
20 GPM @ 3000 RPM  
7.8 GPM @ 1200 RPM

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