



Drilling with DTH Aqua Hammers

Aqua Hammers™ have the best of both air and mud drilling. They drill fast in rock with 20 to 50% better penetration rates than air hammers and are not limited to the pressure from air compressor for drilling depth. Aqua hammers burn 40 to 60% less fuel than air hammers.

Aqua Pumps replaces the air compressors. They have a working pressure of 2500 psi and delivers up to 120 gpm of water. This is used to power the hammer and flush the drill cuttings up the bore. The flushing water comes out of the drill bit a less than 50 psi above ground pressure so there is little to damage to the surrounding . Up hole velocities are similar to mud drilling but thirty times less than air drilling, so side bore erosion is greatly reduced. Polymers can even be added to the flushing water to help stabilize the bore in difficult conditions.

Using RigKits Aqua swivel you can convert you own drill rig to use is amazing new technology. Call you local distributor for more information on or Aqua Hammers and Aqua Recycling Units.

Aqua Hammer Equipment:

- 4 inch Aqua Hammer. Can use drill bits from 4 inches to 5 inches in diameter. Supplied with a 2 3/8 inch AH female tool joint.
- Starter Rod 5 feet long. Coupled to the back of the hammer.
- Drill rods 10 feet long with 2 3/8 inch AH tool joints. High grade steel tubing is used with friction welded tool joints, creating a strong lightweight rod weighing only 68 lbs.
- Saver sub. Protects the flange adaptor from wear and tear. Easily replaceable at low cost.
- Flange adaptor, bolted to the rotation head. Can be changed to larger thread sizes to drill larger diameter bore holes.
- Wrenches to uncouple drill rods. Designed to fit the RigKits breakout system.

Drill Rod 5 ft.

Drill Rod 10 ft.

Flange Adaptor

Saver Sub



Aqua Hammer

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