

Forklift Water Pump

Forklift Water Pump - The water pump is connected to the engine's crankshaft. It is a basic centrifugal pump that is driven by a belt that is attached to the crankshaft. When the engine is running, the pump circulates fluid.

Using centrifugal force, the water pump sends water to the outside as it spins causing the fluid to be constantly drawn from the center of the pump. The pump inlet is located close to the center. This particular design allows fluid returning from the radiator to hit the pump vanes. The pump vanes are strategically positioned in order to fling the fluid outside of the pump so it enters the engine.

The fluid that is going out of the pump initially flows through the engine block and cylinder head. Then the fluid goes into the radiator and finally circulates back to the pump.