

Forklift Water Pump

Forklift Water Pump - The water pump is attached to the crankshaft of the engine. It is a simple centrifugal pump that is driven by a belt which is attached to the crankshaft. Whenever the engine is running, fluid is circulated by the pump.

The water pump uses centrifugal force to send water to the outside while it rotates. This action causes fluid to be continuously drawn from the pump's center. The pump inlet is positioned close to the center. This particular design allows fluid coming back from the radiator to hit the pump vanes. The pump vanes are strategically placed to fling the fluid outside of the pump so it enters the engine.

The fluid that is exiting the pump firstly flows through the engine block and cylinder head. The fluid then travels into the radiator and lastly circulates back to the pump.