

Water Pump for Forklift

Water Pump for Forklift - Attached to the engine's crankshaft; the water pump is a simple centrifugal pump which is driven by a belt. Fluid is circulated by the pump if the engine is running.

The water pump utilizes centrifugal force to send water to the outside while it rotates. This action causes fluid to be continuously drawn from the center of the pump. The pump inlet is positioned near the center. This design enables fluid returning from the radiator to hit the pump vanes. The pump vanes are strategically positioned so as to fling the fluid outside of the pump so it enters the engine.

The fluid initially flows through the engine block and cylinder head prior to exiting the pump. The fluid then works its way into the radiator before finally returning to the pump.