

Water Pump for Forklift

Forklift Water Pump - The water pump is connected to the engine's crankshaft. It is a simple centrifugal pump which 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 be able to send water to the outside as it rotates. This action causes fluid to be continuously drawn from the center of the pump. The pump inlet is located near the center. This design enables fluid returning from the radiator to hit the pump vanes. The pump vanes are strategically positioned to fling the fluid outside of the pump so it enters the engine.

The fluid initially flows through the engine block and cylinder head previous to going out of the pump. Then the fluid travels into the radiator before lastly coming back to the pump.