

## Forklift Water Pump

Forklift Water Pump - 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.

Making use of centrifugal force, the water pump sends water to the outside while it rotates causing the fluid to be constantly drawn from the pumps center. The pump inlet is placed near the center. This design allows fluid returning from the radiator to hit the pump vanes. The pump vanes are strategically placed to fling the fluid outside of the pump so it goes in the engine.

The fluid that is going out of the pump primarily flows through the cylinder head and engine block. Then the fluid travels into the radiator and lastly circulates back to the pump.