

## Forklift Water Pumps

The water pump is attached to the engine's crankshaft. It is a simple centrifugal pump which is driven by a belt which is attached to the crankshaft. When the engine is running, the pump circulates fluid.

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 situated near the center. This design enables fluid coming back from the radiator to hit the pump vanes. The pump vanes are strategically located to fling the fluid outside of the pump so it goes in the engine.

The fluid that is exiting 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.