

## Forklift Water Pumps

The water pump is attached to the crankshaft of the engine. It is a simple centrifugal pump which is driven by a belt which is connected to the crankshaft. If the engine is running, the pump circulates fluid.

The water pump uses centrifugal force so as to send water to the outside as it turns. This action causes fluid to be continuously drawn from the pump's center. The pump inlet is positioned 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 which is going out of the pump initially flows through the cylinder head and engine block. The fluid then travels into the radiator and lastly circulates back to the pump.