

## **Forklift Water Pumps**

Connected to the engine's crankshaft; the water pump is a simple centrifugal pump that is driven by a belt. Fluid is circulated by the pump whenever the engine is running.

The water pump utilizes centrifugal force in order to send water to the outside as it spins. This action causes fluid to be constantly drawn from the pump's center. The pump inlet is situated close to the center. This particular design enables fluid coming back from the radiator to hit the pump vanes. The pump vanes are strategically located in order to fling the fluid outside of the pump so it goes in the engine.

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