

Water Pump for Forklift

Water Pump for Forklifts - The water pump is connected to the engine's crankshaft. It is a simple centrifugal pump that is driven by a belt that is connected to the crankshaft. When the engine is running, the pump circulates fluid.

Utilizing centrifugal force, the water pump sends water to the outside as it spins causing the fluid to be continually drawn from the pumps center. The pump inlet is placed near the center. This particular design allows fluid coming back 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 exiting the pump initially flows through the cylinder head and engine block. The fluid then goes into the radiator and lastly circulates back to the pump.