

Water Pump for Forklifts

Water Pump for Forklifts - Connected to the crankshaft of the engine; the water pump is a simple centrifugal pump which is driven by a belt. The pump then circulates fluid whenever the engine is running.

Using 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 design allows fluid returning from the radiator to hit the pump vanes. The pump vanes are strategically positioned so as to fling the fluid outside of the pump so it enters the engine.

The fluid that is exiting the pump initially flows through the engine block and cylinder head. Then the fluid goes into the radiator and lastly circulates back to the pump.