

Water Pump for Forklifts

Forklift Water Pump - The water pump is connected to the crankshaft of the engine. It is a basic centrifugal pump that is driven by a belt which is attached to the crankshaft. If the engine is running, the pump circulates fluid.

Utilizing centrifugal force, the water pump sends water to the outside while it spins causing the fluid to be continually drawn from the center of the pump. The pump inlet is placed close to the center. This design allows fluid coming back from the radiator to hit the pump vanes. The pump vanes are strategically positioned to fling the fluid outside of the pump so it goes in the engine.

The fluid initially flows throughout the engine block and cylinder head before exiting the pump. The fluid then goes into the radiator before lastly returning to the pump.