

Forklift Water Pump

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

The water pump utilizes centrifugal force to be able to send water to the outside while it spins. This action causes fluid to be constantly drawn from the center of the pump. The pump inlet is situated near the center. This design enables fluid returning from the radiator to hit the pump vanes. The pump vanes are strategically positioned to be able to fling the fluid outside of the pump so it goes in the engine.

The fluid primarily flows throughout the cylinder head and engine block prior to exiting the pump. Then the fluid travels into the radiator before finally returning to the pump.