

Water Pump for Forklift

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

Using centrifugal force, the water pump sends water to the outside as it rotates causing the fluid to be continually drawn from the center of the pump. The pump inlet is located near the center. This design allows fluid coming back from the radiator to hit the pump vanes. The pump vanes are strategically positioned in order to fling the fluid outside of the pump so it goes in the engine.

The fluid initially flows through the engine block and cylinder head prior to exiting the pump. The fluid then works its way into the radiator before lastly returning to the pump.