

Water Pump for Forklift

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

Making use of centrifugal force, the water pump sends water to the outside as it turns causing the fluid to be continually drawn from the center of the pump. The pump inlet is located close to the center. This particular 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 before exiting the pump. Then the fluid works its way into the radiator before finally returning to the pump.