

Water Pump for Forklift

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

The water pump uses centrifugal force so as to send water to the outside while it turns. This action causes fluid to be continuously drawn from the center of the pump. The pump inlet is positioned near 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 enters the engine.

The fluid initially flows throughout the engine block and cylinder head before exiting the pump. Then the fluid travels into the radiator before lastly coming back to the pump.