

Water Pump for Forklifts

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

The water pump uses centrifugal force in order to send water to the outside as it rotates. This action causes fluid to be continuously drawn from the pump's center. The pump inlet is located close to the center. This design allows fluid returning from the radiator to hit the pump vanes. The pump vanes are strategically placed to fling the fluid outside of the pump so it goes in the engine.

The fluid initially flows through the cylinder head and engine block previous to exiting the pump. Then the fluid works its way into the radiator before finally coming back to the pump.