

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 which is attached to the crankshaft. If the engine is running, fluid is circulated by the pump.

The water pump makes use of centrifugal force in order 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 positioned near the center. This particular design allows fluid coming back from the radiator to hit the pump vanes. The pump vanes are strategically located to fling the fluid outside of the pump so it goes in the engine.

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