

Water Pump for Forklift

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

The water pump makes use of centrifugal force in order to send water to the outside while it rotates. This action causes fluid to be continuously drawn from the pump's center. The pump inlet is placed near the center. This particular design allows fluid returning from the radiator to hit the pump vanes. The pump vanes are strategically positioned to fling the fluid outside of the pump so it enters the engine.

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