

Forklift Water Pump

Forklift Water Pump - Connected to the engine's crankshaft; the water pump is a simple centrifugal pump that is driven by a belt. Fluid is circulated by the pump if the engine is running.

Making use of centrifugal force, the water pump sends water to the outside as it rotates causing the fluid to be continually drawn from the center of the pump. The pump inlet is situated near the center. This design enables fluid returning from the radiator to hit the pump vanes. The pump vanes are strategically located to fling the fluid outside of the pump so it enters the engine.

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