

Forklift Water Pump

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

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

The fluid primarily flows through the engine block and cylinder head before exiting the pump. Then the fluid travels into the radiator before finally returning to the pump.