

Forklift Water Pumps

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. Whenever the engine is running, fluid is circulated by the pump.

Making use of centrifugal force, the water pump sends water to the outside while it rotates causing the fluid to be continually drawn from the center of the pump. The pump inlet is placed close to 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 initially flows throughout the cylinder head and engine block prior to going out of the pump. Then the fluid works its way into the radiator before finally returning to the pump.