

Forklift Water Pump

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

Making use of centrifugal force, the water pump sends water to the outside while it rotates causing the fluid to be constantly drawn from the center of the pump. The pump inlet is situated near the center. This 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 goes in the engine.

The fluid that is going out of the pump primarily flows through the cylinder head and engine block. Then the fluid travels into the radiator and finally circulates back to the pump.