

Forklift Water Pumps

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

The water pump utilizes centrifugal force so as to send water to the outside as it turns. This action causes fluid to be continuously drawn from the pump's center. The pump inlet is situated near the center. This design allows fluid coming back from the radiator to hit the pump vanes. The pump vanes are strategically located so as to fling the fluid outside of the pump so it goes in the engine.

The fluid initially flows throughout the engine block and cylinder head before exiting the pump. The fluid then works its way into the radiator before lastly returning to the pump.