

Water Pump for Forklift

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

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 located near the center. This particular design allows fluid coming back from the radiator to hit the pump vanes. The pump vanes are strategically located in order to fling the fluid outside of the pump so it enters the engine.

The fluid that is exiting the pump initially flows throughout the engine block and cylinder head. The fluid then goes into the radiator and finally circulates back to the pump.