

Water Pumps for Forklifts

Water Pump for Forklifts - The water pump is attached to the crankshaft of the engine. It is a simple centrifugal pump that is driven by a belt that is attached to the crankshaft. When the engine is running, the pump circulates fluid.

The water pump makes use of centrifugal force to be able to send water to the outside while it turns. This action causes fluid to be continuously drawn from the pump's center. The pump inlet is located near the center. This design allows 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 goes in the engine.

The fluid primarily flows through the engine block and cylinder head prior to exiting the pump. The fluid then goes into the radiator before finally coming back to the pump.