

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 which is driven by a belt which is attached to the crankshaft. When the engine is running, fluid is circulated by the pump.

Using 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 placed close to the center. This particular 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 initially flows through the cylinder head and engine block prior to exiting the pump. Then the fluid travels into the radiator before lastly returning to the pump.