

Forklift Water Pumps

The water pump is attached to the crankshaft of the engine. It is a simple centrifugal pump which is driven by a belt that is attached to the crankshaft. Whenever the engine is running, fluid is circulated by the pump.

Using centrifugal force, the water pump sends water to the outside as it spins causing the fluid to be constantly drawn from the center of the pump. The pump inlet is situated near the center. This particular design allows fluid coming back 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 firstly flows through the cylinder head and engine block before exiting the pump. The fluid then goes into the radiator before finally returning to the pump.