

Farm Machinery types used for irrigation

Irrigation equipment: Varieties of irrigation equipment are used for irrigation, depending on the farm operator's financing ability and the appropriateness of the method according to water sources.

Motor pump

A motor pump is an important agricultural machinery for irrigation. The main purpose is to pump water to a higher level or move a distance. There are different types of pumps

Displacement Pumps

These pumps move water by displacement. Examples are piston pumps, diaphragm pumps, roller-tubes, and rotary pumps. Piston Displacement Pumps are pumps you operate by moving a long lever up and down.

Usage for a displacement pump would be when you need to move very thick liquids, create very precise flow volumes, or create extremely high pressures.

A fertilizer injector is the most common irrigation use for a displacement pump.

Centrifugal Pumps

These types of pumps are most commonly used worldwide. The working is very simple. This pump is strong, efficient and fairly cheap to make. Whenever the pump is in action, then the fluid pressure will increase from the inlet of the pump to its outlet. The change of pressure will drive the liquid throughout the system.



Vertical Centrifugal Pumps

Vertical centrifugal pumps are also called as cantilever pumps. These pumps use an exclusive shaft & maintain design that permits the volume to fall within the pit as the bearings are external to the pit. This mode of pump utilizes no filling container to cover the shaft however in its place uses a throttle bushing. A parts washer is the common application of this kind of pump.



Submersible Pumps

The applications of these pumps mainly include building services, domestic, industrial, commercial, rural, municipal, & rainwater recycle applications. These pumps are apt for shifting stormwater, subsoil water, sewage, black water, grey water, rainwater, trade waste, chemicals, bore water, and foodstuffs. There is an extensive selection is accessible which includes high flow, low flow, low head, otherwise high head.

