

Four Common Vertical Turbine Pumps

Vertical turbine pumps are primarily used to overcome lift and pump water or other fluids from sumps, pits, or deep wells into a distribution system.

There are four basic types of vertical turbine pumps: lineshaft turbines, submersible turbines, axial flow turbines, and can turbines.

These type pumps are comprised of three main subassemblies, four if there is a suction device such as with can type pumps, and a driver.

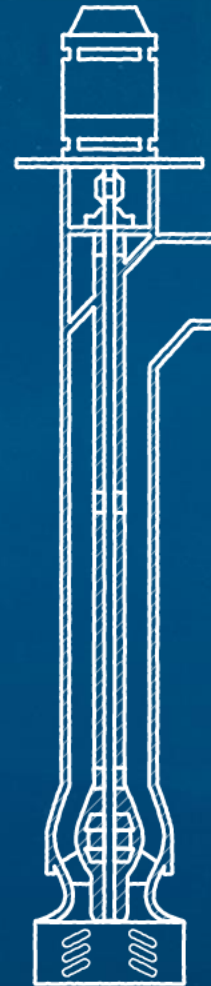
The three main subassemblies are:

- The pump commonly referred to as a bowl assembly: Also pump, pump end, and sometimes wet end;
- The column assembly which includes the piping and shafting when required;
- A discharge head assembly that provides support to the driver, includes the sealing device, and of course the discharge or fluid outlet.

Vertical turbine pumps are used in a wide variety of applications, including agricultural, industrial, and municipal.



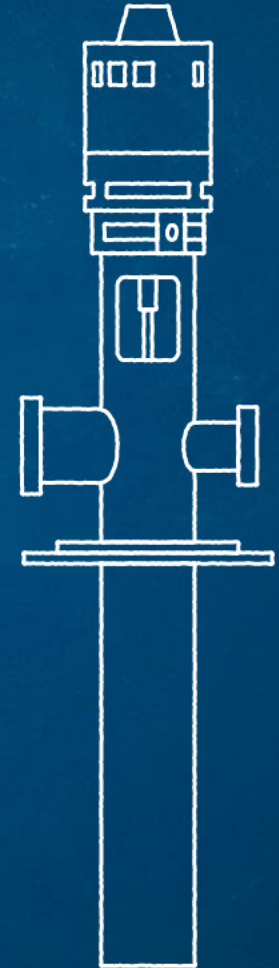
Submersible Turbine



Axial Flow Turbine



Lineshaft Turbine



Can Turbine