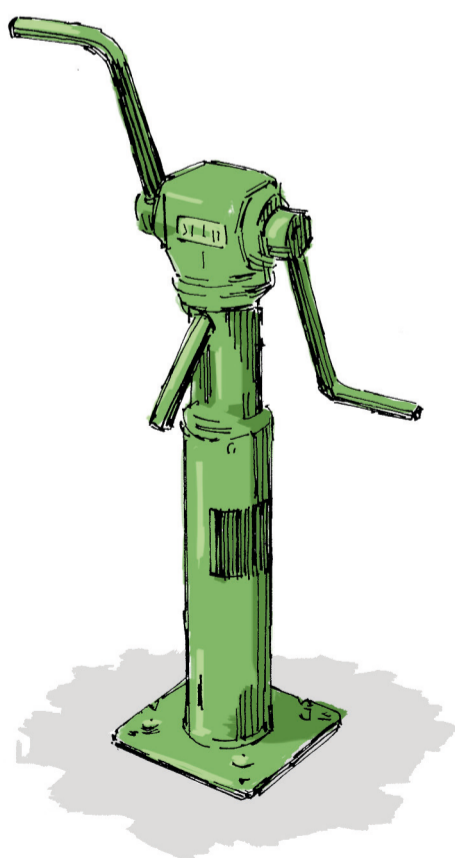
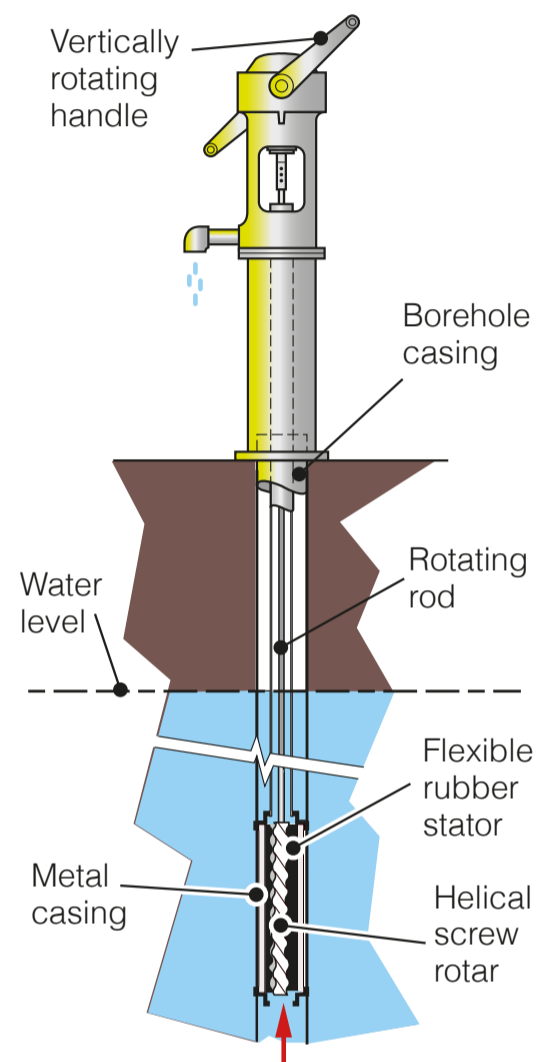
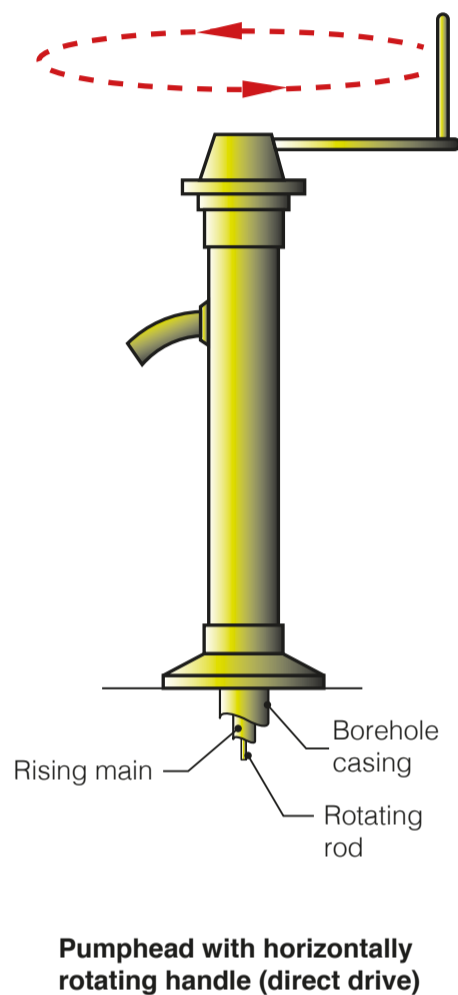


Progressive cavity pumps

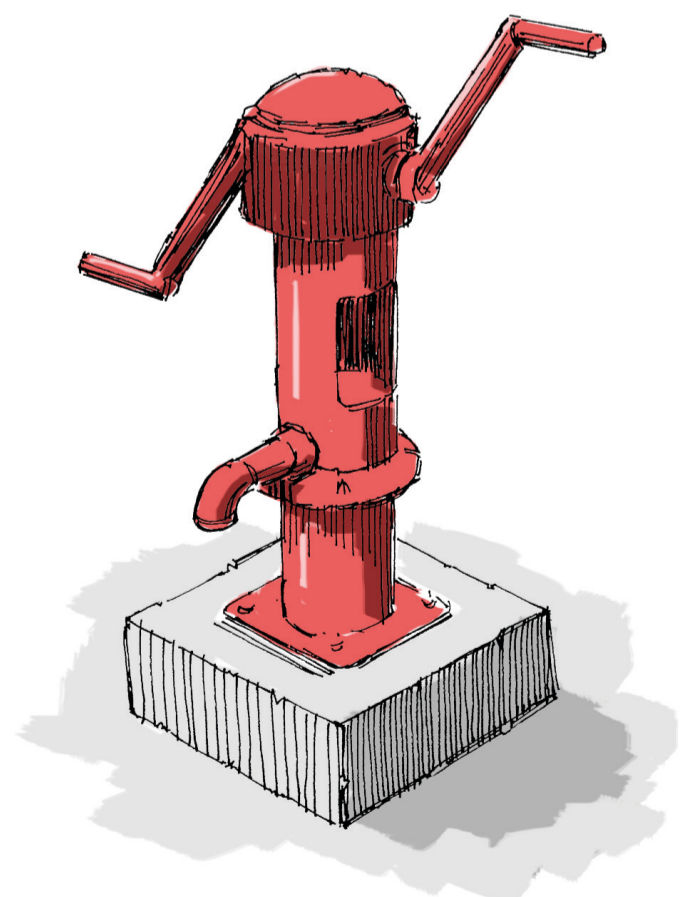
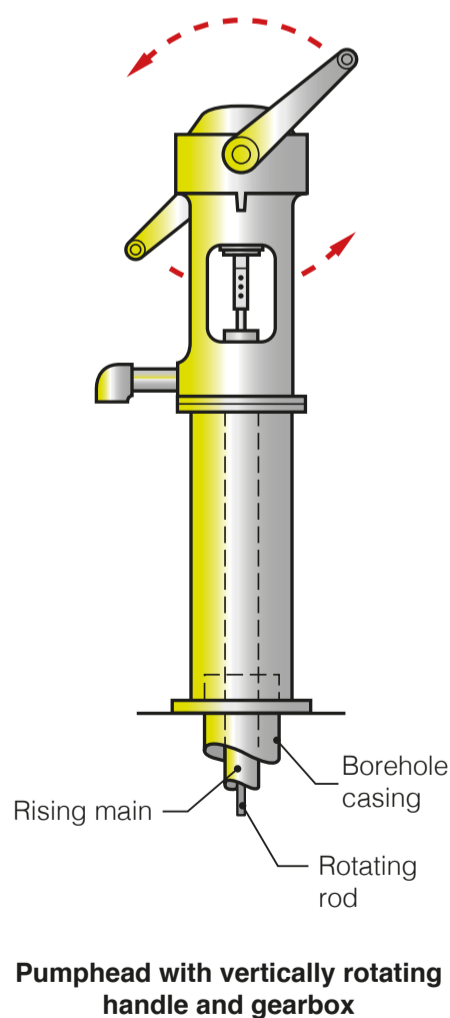
Many pumps rely on an up and down motion to provide the energy to lift the water; one family of pumps uses a circular action.

The pump rod is rotated using one or two handles, which can be arranged vertically or horizontally. This twists a large screw-shaped component that fits inside a specially shaped pumping cylinder. As the screw-shaped rotor rotates, the water is squeezed upwards against the matching stator and moves up the rising main.

Examples of this type of pump included the **Orbit** and the **Monolift**. These can easily be adapted to use a motor to drive the pump. They can still lift water when turned very slowly, so are useful for children and infirm people.



Orbit



Monolift