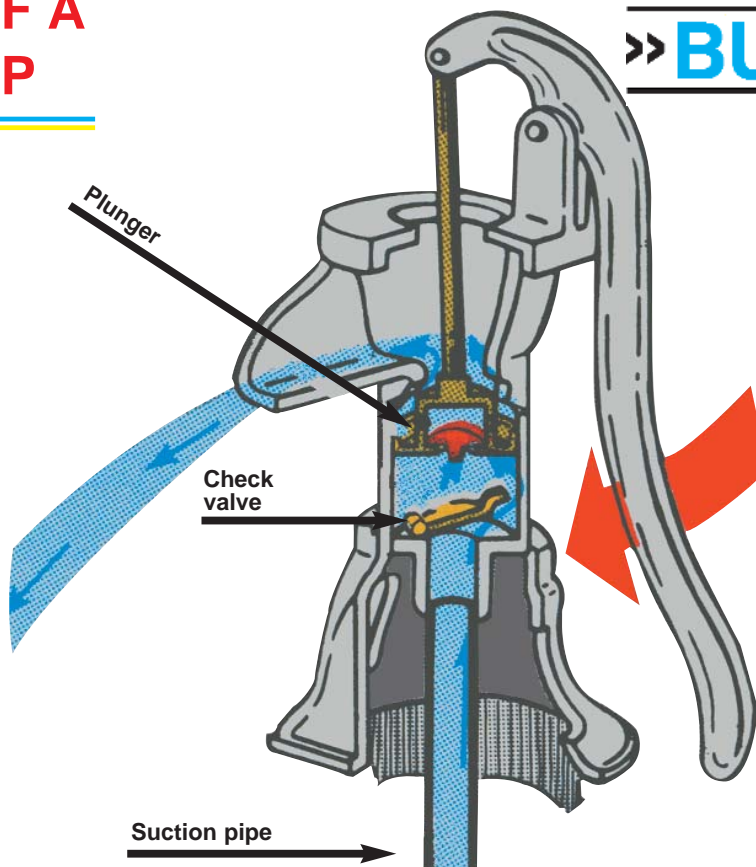


## FUNCTIONS OF A CISTERN PUMP



As the handle is pushed down causing the plunger to rise, water is discharged through the pump spout, the vacuum that develops in the cylinder below the plunger is filled with water from the suction pipe which connects the pump to the water source.

As the pump handle is raised, the plunger lowers, this causes the check valve to seat and trap water in the cylinder. The trap forces the plunger valve open allowing water to enter the cylinder area on the upper side of the plunger.