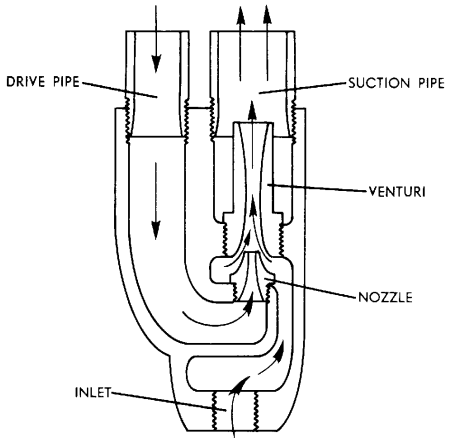
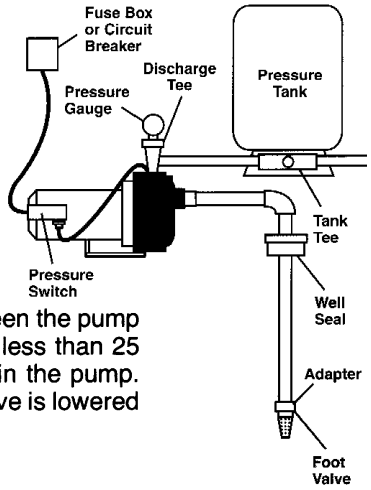
HOW A JET PUMP WORKS



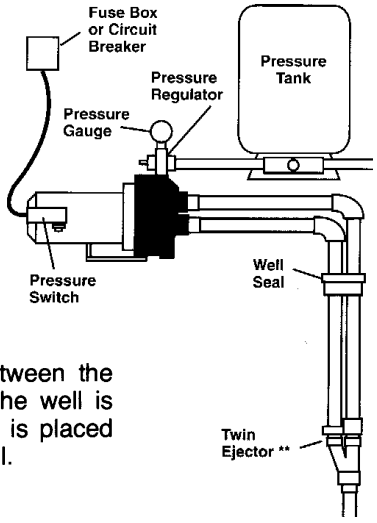
A jet pump pumps water with water. In deep well jet pumps a small amount of the water delivered by the pump is returned through the pressure pipe to the nozzle of the injector. The nozzle converts this high pressure to velocity. In the Venturi, this velocity is reduced and a partial vacuum is created, causing water in the well to enter the injector. This additional water is carried along with the water circulated by the pump—moved up the suction pipe to the impeller. This extra water picked up by the jet in the well is discharged by the pump with a portion of it recirculating through the injector to enable the jet to function. In the shallow well jet, the operation of the injector is the same except that the injector is located at the entrance to the impeller rather than down the well. In a shallow well jet pump, passages in the pump case casting serve the functions of the pressure and suction pipes used with deep well jet pumps.

SHALLOW WELL



Where the vertical distance between the pump and the water level in the well is less than 25 feet, the injector is incorporated in the pump. Only a suction pipe with a foot valve is lowered into the well.

DEEP WELL



When the vertical distance between the pump and the water level in the well is more than 25 feet, the injector is placed below the water level in the well.

For additional information call: 610-275-4453 or Fax: 610-279-6299.
Please call for current prices.