

How the High Lifter Works

Low pressure water from your water source enters the High Lifter and pushes against the Low Pressure Piston. As the Low Pressure Piston moves, water is squeezed against the High Pressure Piston. As the water is squeezed, pressure builds up in the High Pressure Cylinder. It is the difference in size between the large, Low Pressure Piston, and small High Pressure Piston which multiplies the pressure according to the principle of the Hydraulic Lever, discovered by Pascal in 1646. The pressurized water enters the Central Tube, goes through a check valve, and exits the High Lifter. It then flows up a pipe to your tank. The tank can be as high as 1000 feet above your water source.

