

Air-powered water lift consists of support with rotor mounted on it, compressor, vertical hydraulic lift, lower part of which is submerged in water-bearing medium, and reservoir for collecting condensed liquid. Compressor is pneumatically connected to compressed air receiver, wherein shut-off valve is installed in air line between the compressor and the receiver, and receiver is connected via separate air line to air atomizer located at the bottom of hydraulic lift, wherein air diffuser is designed as perforated conical element with a variable density of perforations, which decreases from the center to the periphery as the diameter of openings increases.