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well cap. (Illustration 1.) Two holes for vents, one for the 1 ¼" discharge pipe, and one for the ½ air pipe. Screen the vents. DIY Airlift Pump Design: Pump Water with Compressed Air ... Individual and combined pumping capacities were determined for floating airlift pumps, powered by a centrifugal blower. Individual airlift pumping rates ranged from 66-225 liters of water per... Performance and design characteristics of airlift pumps ... An airlift pump is a pump that has low suction and moderate discharge of liquid and entrained solids. The pump injects compressed air at the bottom of the discharge pipe which is immersed in the liquid. The compressed air mixes with the liquid causing the air-water mixture to be less dense than the rest of the liquid around it and therefore is displaced upwards through the discharge pipe by the surrounding liquid of higher density. Solids may be entrained in the flow and if small enough to fit t Airlift pump - Wikipediadetermined for floating airlift pumps (Fig. 1A, basic test configuration) powered by a 2.5hp (1.9 kw) centrifugal blower. Airlift pumps, 185 cm long, were

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