

Title (en)
PREFABRICATED PUMP STATION UNIT

Title (de)
VORGEFERTIGTE PUMPSTATIONSEINHEIT

Title (fr)
UNITÉ DE STATION DE POMPAGE PRÉFABRIQUÉE

Publication
EP 3404154 B1 20230607 (EN)

Application
EP 16881275 A 20161230

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Abstract (en)
[origin: EP3404154A1] The invention provides a prefabricated pumping station unit and a water distribution unit. The prefabricated pumping station unit comprises a prefabricated hollow shaped pumping station body, a liquid inlet connected to the pumping station body, and a wellbore mounted in the pump station body. The circumference of the cross section of the upper end portion of the pumping station body is greater than the circumference of the cross section of the lower end portion thereof. In the prefabricated pumping station unit of the present invention, the pumping station body is large in the upper portion and small in the lower portion, when the fluid flows through the liquid inlet to the pumping station body, the fluid gradually gathers toward the center of the pumping station body along the inner wall of the pumping station, and the fluid energy is consumed, and the fluid flow state is uniformly homogenized, so that the fluid flow state entering the suction inlet of the submersible pump is uniform, which creates a good water inlet condition for the submersible pump and improves the stability of the submersible pump operation.

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