

dewatering  
well drilling  
enviro-engineering



## Deep Wells



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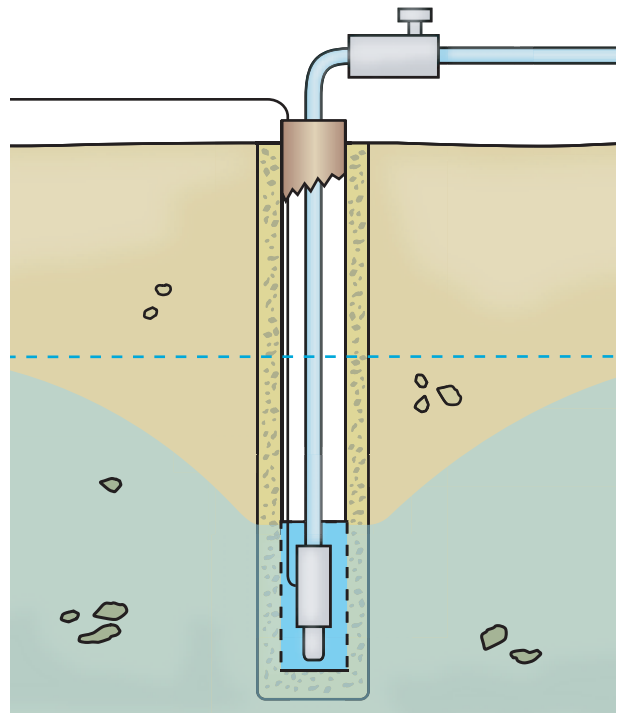
Deep wells are utilised for underground water drainage, for drinking water abstraction, and for the decontamination of aquifers.

Deep wells are effective for operations with soil permeability values [k] between  $1 \times 10^{-2}$  m/s and  $1 \times 10^{-5}$  m/s.

They are created by drilling a hole with a diameter of 324 mm to 2000 mm at a depth of up to 300 meters. The borehole is produced using the casing drilling method or the Rotary drilling method in accordance with the diameter, the geology and the depth.

After the borehole is drilled the well is equipped with a filter string and the surrounding space is refilled with filter gravel. The filter string may consist of a wire mesh filter, a slot filter, or a slot bridge filter, all of which are available in different materials.

The completed well is equipped with a multistage underwater pump for pumping the groundwater.



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