

Utilization of water resources

AVK products installed in water utilization project in the Negev desert – saving resources and expanding local farming possibilities

In Israel, the water resources are limited and several of the farmers around the Negev desert have been forced to let their fields dry out due to a lack of water resources. This has negatively affected the local standard of living and Israel has been forced to think out the box and bring forth alternative solutions. One solution has been water-saving technologies whereby wastewater is utilized for irrigation of crops promoting growth, maintaining landscapes, and revegetating disturbed soils in dry areas.

AVK participated in the project in the Negev desert, where the Aryeh Pools were established. It was a project characterized by a “no compromises”-approach to quality. AVK has delivered both gate valves and butterfly valves for the project.



Harvesting the advantages of reuse

The Aryeh Pools is a water system consisting of three pools that clean and recycle wastewater from the main town in Negev, Beer-sheva. When water has been cleaned, it is very close to having the qualities of drinking water and can thus be used for irrigation of various crops. The farmers are now able to take advantage of the barren areas again and to expand their farms. Where they previously were only allowed to grow animal feed and cotton due to the water quality, the farmers can now also grow crops such as potatoes, carrots, lemons and almonds.

The entire project around The Aryeh Pools has led to a possible reuse of several million cubic meters of water and a diminution of water wastage around 10 million cubic meters a year. Another important factor for the local farmers' survival and economy is that the cost of purified water is about half of the cost of fresh water.

AVK continues its effort in Israel and is involved in another project in the area, which will contribute to the improved use of wastewater and ensuring that treated water reaches even more people.

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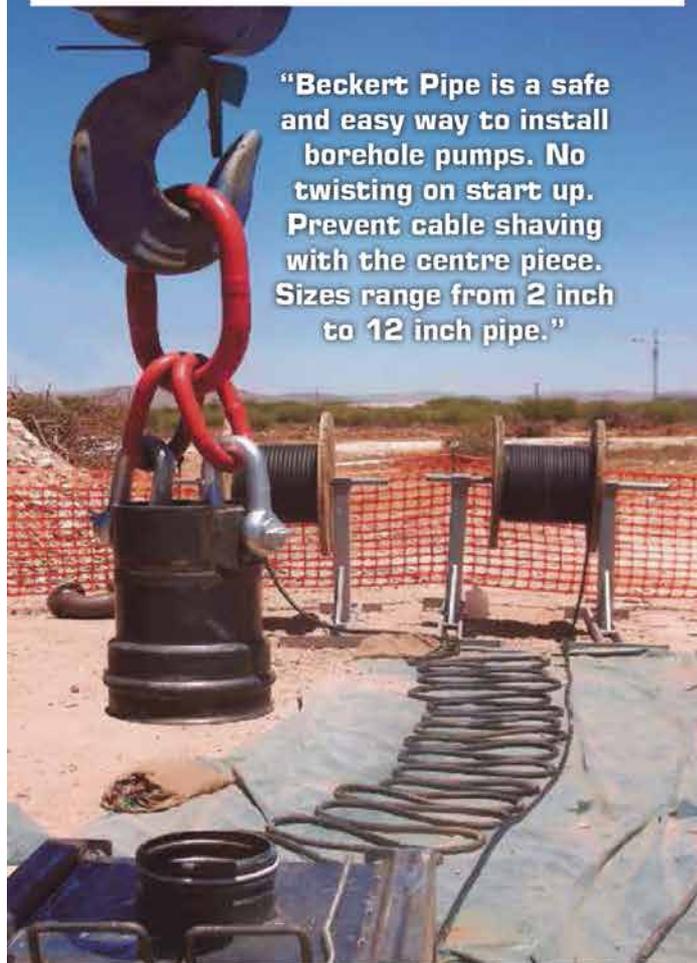
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