



Water is becoming increasingly scarce: Water is becoming increasingly scarce: already today, 2.2 billion people have no safe supply – and the number is rising.
Photo credit: Pixabay

Desalination: *worth its salt*

Prolonged drought and water scarcity are placing ever greater burdens on many countries. The result: without a reliable water supply, people, the environment and agriculture all suffer. It's time to act – time to invest in seawater desalination plants. Fortunately, valves are there to keep the water flowing – and to rise to the challenge.

Countries in the Mediterranean and the Middle East, in particular, have recognised the opportunities that desalination offers. They are investing heavily in the global desalination market, creating real added value, both for the environment and for suppliers of crucial components such as valves.

Water supply and the energy transition

For desalination plants, it's not all plain sailing; they have to withstand major challenges. The high salt content demands valves with outstanding resilience. Internally, all components need exceptional corrosion resistance. Externally,



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valves must withstand UV radiation and weather conditions such as salt-laden air – which is why they are equipped with protective coatings.

In many regions, desalination plants are not only essential for drinking water and agricultural irrigation. Very soon they could also play a crucial role in green hydrogen production, which requires large quantities of salt-free water – a critical factor, especially in Africa. This makes desalination a cornerstone of both water supply and the energy transition – and an industry that is truly worth its salt.

Discover the latest trends and highlights from the valve industry at VALVE WORLD EXPO from 1 to 3 December 2026 in Düsseldorf. Find the latest industry news and product information on the Internet portal at www.valveworldexpo.de.

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