

Seawater desalination plant for the Atacama region in Chile

The seawater desalination plant, based on reverse osmosis technology, is designed for a maximum production capacity of 1200 l/s and will tackle the water shortage in the Atacama region.

Due to the aridity in the Atacama Desert and the lack of drinking water from natural aquifers, seawater desalination plants for the production of drinking water are becoming increasingly important. To carry out the project, the INIMA CVV Copiapó consortium was entrusted with the execution of the works and management of the plant during the first two years. The consortium consists of the Spanish design, construction, operation and maintenance company GS Inima Environment (65%) and the Chilean engineering and construction company Claro Vicuña Valenzuela (35%).

For the operation of this reverse osmosis plant, Inima CVV Copiapó relies on InterApp's Desponia butterfly valves. InterApp's in-depth knowledge and experience in desalination project management have enabled it to identify the customer's needs right from the start, supplying Desponia butterfly valves from DN 80 to DN 1200, perfectly configured for this kind of environments: ductile iron bodies, coated with paint for marine environment C5-M, stainless steel shaft, stainless steel and duplex discs and EPDM liner certified for drinking water. All valves are actuated with hand levers, up to DN 150, and AUMA electric actuators for bigger diameters.

Once again, InterApp proves to be a reliable partner for seawater desalination plants and contributes with its specific application know-how, its professional project management and its highly configurable and reliable butterfly valve Desponia to realize an important project in a region with greatest water scarcity.



Products installed

**Desponia butterfly valves DN 80 - DN 1200
EPDM liner certified for drinking water**

All the valves are operated with

- **Handlevers for valves DN ≤ 150**
 - **Electric actuator AUMA for valves DN > 150**
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