

## Customised two-stage volute casing pump: **drinking water capacity doubled**



### Drinking water pumping station

Drinking water supply  
Venezuela

A growing population means that a South American pumping station now needs to supply double the amount of drinking water. Although its existing pumps from the HE range (built in 1965) have provided a very reliable service, they will not be able to cope with an increase in drinking water capacity on this scale.

KSB's standard range of pumps does not fit the existing pipe connections (radial suction line, pointing downwards at an angle of 90°, tangential discharge line, pointing downwards at an angle of 60°). The operator has requested customised pumps which can be installed into the pumping station without requiring major changes to the piping or the foundation.

KSB is tackling this challenge by designing and supplying special two-stage pumps which match the existing pipe connections. The hydraulic system and further assemblies are being specially adapted for this contract.

Only minimum conversion is required for the pipework to remain in the station. While major changes to the building would have been necessary if standard pumps had been selected, this work has been markedly reduced thanks to the tailored pump solution.

#### More information

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Scope of supply and services	Technical data
Special two-stage pump set including base frame, drive and oil supply	Q = 2,160 m <sup>3</sup> /h
	H = 343 m
	Eta = 84 %



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