



## Hydraulic equipment / Projects

Renewal of the fine and coarse mechanical sieve system at the pre-treatment station of La Obra (Santiago de Chile).

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### End client

Enagás

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### Contractor company

Consortium  
Vías y Construcciones S.A.  
PROES Consultores S.A.

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### Location

Santiago de Chile.

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### Equipment supply period

October 2013. Duration 6 months.

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### Scope

Design, manufacture, supply and assembly of 2 rotating drum filters and 1 automatic sorting grille for the purification station.

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View of the automatic sorting grille



Pressure cleaning the filter mesh



Pressure pumps to clean the filter

## Description of the works

The pre-treatment station of La Obra partially supplies the drinking water treatment plant of Las Vizcachas, that supplies 60% of all the drinking water in Santiago de Chile.

The peak capacity of the La Obra pre-treatment station

is 4 m<sup>3</sup>/s, so each filter has been designed for a capacity of 2 m<sup>3</sup>/s.

The equipment assembly has been performed through Turbomáquinas, our company's representative in Chile.

## Technical equipment data

Rotating drum filters:

With filtering mesh gauge of 0.25 mm made of stainless steel 304L. Exterior drum diameter of 3 m and 4 m long. The drum frame and waste chute are made of carbon steel, the washing tube is made of stainless steel 304L.

Automatic cleaning grille:

Automatic chain grille, type RCD, gauge 20 mm, with a channel width of 1.5 m and a discharge height of 4 m. Made of stainless steel 304L.