



Hydraulic equipment / Projects

Installation of cable grille, conveyor belt, rotating chain filter and fixed wheel wall sluices in the extension of La Presa - Manises WWTP (Valencia)

End client

EMIVASA (partnership between Aguas de Valencia, S.A. and Ayuntamiento de Valencia)

Location

Valencia

Period of equipment supply

Installation of the equipment: March 2015

Scope

Design, manufacturing and supervision of 1 cable grille, 1 conveyor belt, 1 rotating chain filter and 4 fixed wheel wall sluices for drinking water treatment plant.



Overview of the intake with new filter and new grille



Final phase of the grille installation



Commencement of the grille installation with two cranes

Description of the works

Aguas de Valencia S.A. contracted supply of the pre-treatment equipment of the second line water intake from the river Turia, already foreseen in the original design of the DPTP.

This action is set within the investments assigned to increase the capacity of the plant that is now at 3.6 m³/s.

Equipment technical data

Cable grille:	1 automatic cleaning cable grille 3.2 m wide and 8.5 m discharge height, with a gauge of 20 mm. Bars, discharge and comb plate made of stainless steel AISI 316L. The rest of the carbon steel structure and finished with food grade paint.
Rotating chain filter:	1 rotating chain filter with a distance between axles of 8 m, a drag wheel diameter of 1.8 m and a mesh gauge of 9.6 mm. Mesh manufactured in stainless steel AISI 316L. The rest of the carbon steel equipment and finished in food grade paint.
Fixed wheel wall sluice:	4 fixed wheel wall sluices with a width of 1,8 m and 2 m height, designed for 8 metres of water column load. Frames of stainless steel 304L and boards made of carbon steel and finished with food grade paint.