

TECHNOLOGY OFFER

Element of drainage for sand filter

Filtration is an essential operation for the water treatment, pool water cleaning and drip irrigation of gardens or crops. In the most common filter is sand filter there is an important pressure loss, which needs energy consumption to compensate it.



TECHNOLOGY DESCRIPTION

This technology involves new drainage model by sand media filters. This new model element drainage would reduce by 60% the loss of the filter and consequently, energy consumption, specifically, could be reduced by 40% the energy consumption of an installation of drip irrigation.

APPLICATION AND TARGET MARKET

This technology can be applied in the field of agriculture, environment and water treatment. The market potential of the technology are manufacturers of filters for industrial uses irrigation, water treatment and swimming pools.

COMPETITIVE ADVANTAGES

- Reduction of 60% of the pressure drop in the filter.
- It will allow the pumping equipment to work at a lower pressure.
- Reduce electricity consumption and, consequently, the cost.

TIME-TO-MARKET

The technology is under prototyping

DEAL SOUGHT

License agreement
Development Agreement

RESEARCH GROUP

Agricultural Engineering

CONTACT

Valorization Unit
Technology Transfer
Office (TTO)
University of Girona
valoritzacio@udg.edu
+34 972 41 98 65