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**Biodiesel water  
content under 300  
ppm.**

**We get biodiesel  
that complies with  
standard 14.2.14**

### OPERATING PRINCIPLE

The biodiesel obtained in the transesterification reactors doesn't always comply with the standard 14.2.14 due to an excessive presence of H<sub>2</sub>O (sometimes exceeding 3.500 ppm). With our dehydration system based in a vacuum flash evaporation we can obtain biodiesel with less than 300 ppm of water.

## TECHNICAL SPECIFICATIONS

It's very important to reduce the content of water in the biodiesel because its presence can generate many problems. Besides, the water reduction it's an advantage for the storage and for the consumers because it reduces the liquid volume. The European standard establishes a maximum water content of 500 ppm, but many times we have a rehydration of the biodiesel (by stocking or transport) so it's important to reduce the amount of water as much as possible.

That's why we have developed a continuous dehydration equipment able to reach less than 300 ppm of water, based in our dehydration experience with other liquids like transformer oils (< 15 ppm of H<sub>2</sub>O), sulfonated oils (< 100 ppm of H<sub>2</sub>O) or oils for human consumption (< 200 ppm of H<sub>2</sub>O).

These equipments are completely automated, mounted in a transportable skid, with heat exchangers for energy savings and exhaustive residence time control through level indicators.

We build dehydration equipments from 1.000 Lts/h to 20.000 Lts/h and many times it's planned to extend or double the treatment capacity.

Depending on the disposable services in the factories, the equipments are constructed for steam or thermal oil operation.

Equipment manufactured under the European CE and ATEX standards.

**Maximum  
automation process**

**Complies with ATEX  
standards**

## INSTALLATION EXAMPLES

| BIODIESEL DEHYDRATION EQUIPMENT for **Biotel** in Barajas de Melo (Cuenca) with a treatment capacity of 2 x 10.000 Lts/h

| BIODIESEL DEHYDRATION EQUIPMENT for **Egal** in Rois (A Coruña) with a treatment capacity of 8.000 Lts/h

| BIODIESEL DEHYDRATION EQUIPMENT for **Bercam** in Los Yebenes (Toledo) with a treatment capacity of 1.500 Lts/h

| BIODIESEL DEHYDRATION EQUIPMENT for **Biocyl** in San Cristóbal de entreviñas (Zamora) with a treatment capacity of 1.000 Lts/h

| BIODIESEL DEHYDRATION EQUIPMENT for **Combunet** in Monzón (Huesca) with a treatment capacity of 6.000 Lts/h

| BIODIESEL DEHYDRATION EQUIPMENT for **BM ingeniería** in Elda (Alicante) with a treatment capacity of 3.000 Lts/h

