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**Specially designed
for processes where
methanol needs a
graduation over
85%**

**Great quality of
recovered alcohol,
approx. 99,8%**

SEMICONTINUOUS DISTILLATION

Specially designed equipments for processes where the methanol is evaporated in transesterification reactors and condensed together with small amounts of water. It is recovered by continuous feed and distillation and discontinuous stripping keeping the level of liquid in the reboiler constant. It is provided with heat exchangers that minimize the steam and cooling water consumption. Fully automated, guaranteeing high quality in recovered alcohol and easy to use. Modular structure, self-transportable and easy to place in factory.

CONTINUOUS DISTILLATION

It is made by one or two distillation columns (according to height availability), mounted in skid or directly in factory.

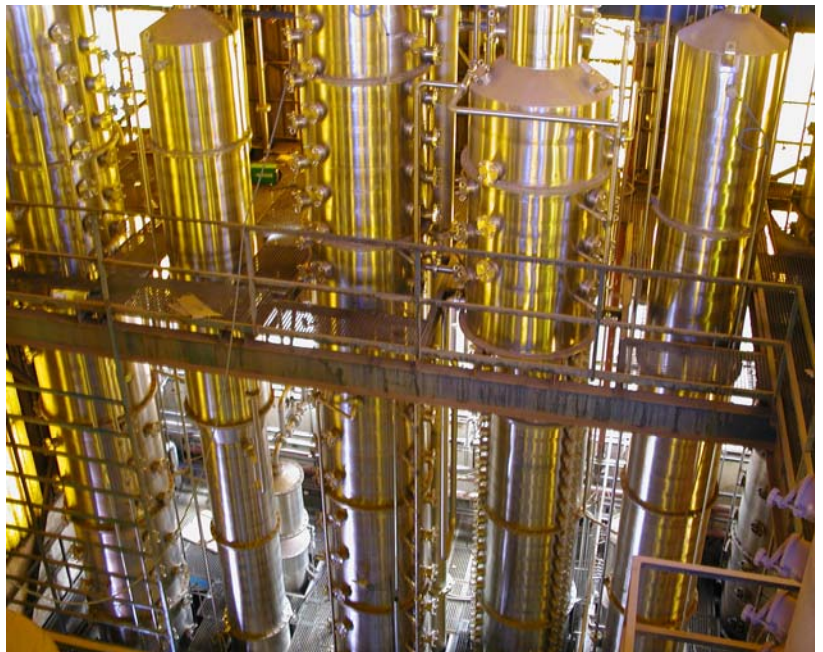
Applying the technology that [Grupo Vento](#) has been developing with an experience in this field over 70 years that guarantees maximum thermal performance, great quality of recovered alcohol and maximum elimination from wastewaters (under 0.1 °GL of alcohol).

The installation is totally automated with transducers and software that allows the lack of manpower. Furthermore there are incorporated safety systems for product equipment and operator such as control loops. Appropriate for the needs of biodiesel processes.

Alcohol recovery with low energy consumption.

Maximum alcohol elimination from wastewater.

Fully automated with maximum operation security.



INSTALLATION EXAMPLES

| Installation of CONTINUOUS DISTILLATION for **Biotel** in Barajas de Melo (Cuenca) with a production capacity of 1.800 Lts/h A.P.

| Installation of SEMICONTINUOUS DISTILLATION for **Egal** in Rois (A Coruña) with a production capacity of 600 Lts/h A.P.

| Installation of SEMICONTINUOUS DISTILLATION for **Biocarsa** in Cuevas del Almanzora (Almería) with a production capacity of 325 Lts/h A.P.

| Installation of CONTINUOUS DISTILLATION for **Biocyl** in San Cristóbal de Entreviñas (Zamora) with a production capacity of 200 Lts/h A.P.

| Installation of SEMICONTINUOUS DISTILLATION for **Combunet** in Monzón (Huesca) with a production capacity of 450 Lts/h A.P.

