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**Continuous  
distillation and  
condensation of  
solvent.**

**Disposal  
minimization.**

**Recovery of solvent  
for the process.**

### SYSTEM PROCESS

The system is formed basically by two units, a continuous distillator and a condenser.

Previous to the distillation, the solvent has to be clean from pigments and sediments. This can be achieved by filtering or decantation.

Afterwards, the solvent to regenerate is pumped to the distillation unit where boiling occurs by the heating of thermal oil. The vapours are headed throughout a foam-breaker and a demister to the condenser where condensation takes place by heat removal of cooling water.

The clean solvent collected is next stocked in the corresponding vessel.

The whole process is controlled by PID regulators assuring the optimal heating for the right boiling rate and the automatic stop when the maximum operation temperature is reached.

It is also equipped with safety elements such as safety valves and manometers.

As the dirty solvent evaporates, the level inside the distillator falls, and the pump replenishes automatically the system.

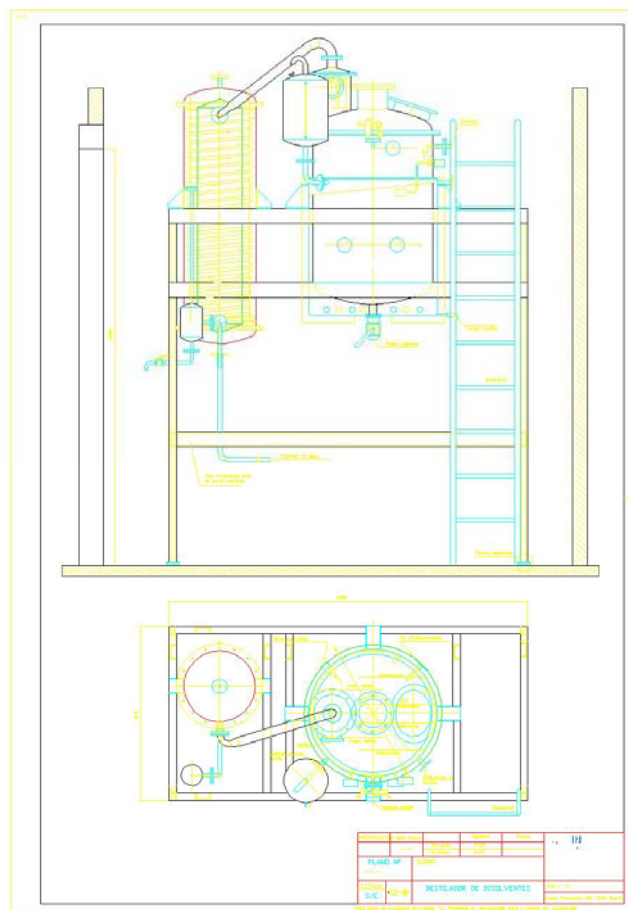
The progressive concentration of the residue decreases the capacity of evaporation of the mixture and so the temperature rises. The approach to the established maximum operation temperature indicates that the limit of concentration is reached.

The residue is finally discharged and subsequently a new distillation cycle starts.

The process is completely controlled by PID regulators.

ATEX compliant.

### PROCESS DIAGRAM



## INSTALLATION EXAMPLES

| Solvent recovery equipment Mod. V-500 for FEPYR in Paterna (Valencia)

| Solvent recovery equipment Mod. V-500 for LABORATORIOS RADIO in Liria (Valencia)

| Solvent recovery equipment Mod. V-500 for INDUSTRIA DE BARNICES ESPECIALES (ILP) in Valencia

| Solvent recovery equipment Mod. V-500 for PRODUCTOS QUETZAL in Alcacer (Valencia)

| Solvent recovery equipment Mod. V-500 for INDUSTRIAS OMAR in Silla (Valencia)

| Solvent recovery equipment Mod. V-500 for PRODUCTOS JEMG in Picassent (Valencia)

| Solvent recovery equipment Mod. V-500 for PINTURAS BLATEM in Torrent (Valencia)

| Solvent recovery equipment Mod. V-500 for PRONIMON in Aldaia (Valencia)

