

ECO PLUS 122-202-400

EXPANDABLE, PRACTICAL AND SAFE

Installation area
ATEX - ZONE 1



TYPICAL APPLICATION
140 to 2.000
l/24 h



Static oil



Automatic
functioning



Touch screen
and PLC



Plug & Play

The ECO PLUS distiller is an **expandable system designed for intelligent integration with other products**. Conceived for continuous operation, ECO PLUS distillers can handle **up to 2000 litres of polluted product a day**. Their numerous optional accessories, **ease of integration** with existing plant and **high level of automation** have made these distillers a **success** in the **most diverse industries worldwide**, from large multinationals to small workshops. **Flexible and easy to use**, they can be supervised even by first time users.

The components in contact with the product being treated are in stainless steel and materials treated for resistance to chemical aggression. The tank's wall cavity is filled with diathermic oil which transfers the energy to the mixture. The heating elements feature a low specific power coefficient (W/cm²) to ensure the oil has a long service life. The condenser input vapour and output liquid temperatures are monitored continuously and are used to determine the moment at which evaporation starts and distillation has terminated. The solvent charge is usually controlled by a pneumatic double membrane pump, but in the case of vacuum distillation, the underpressure in the boiler itself can also be used for this purpose. In both cases, proper charging is controlled by the tank level and a PLC time out parameter. At the end of the cycle, the residue is discharged via the valve on the conical bottom of the tank, either manually or automatically, depending on system configuration.

Model	Installed power	Loading capacity	Productivity
ECO PLUS 122	10 kW	140 l	140 to 700 l/24h
ECO PLUS 202	12 kW	200 l	200 to 1.000 l/24h
ECO PLUS 400	22 kW	400 l	400 to 2.000 l/24h

THE BENEFITS OF THE ECO PLUS SERIES

The ECO PLUS system offers all the benefits of the ROTO PLUS series, with the exception of the boiling chamber self-cleaning system; it has thus been conceived as a solution for all applications in which the residue is easy to discharge or is itself the most valuable product of the distillation process.

Practicality

- easy to use thanks to the touch screen monitor, with all process parameters available at a glance
- guided, easily programmable operation for even the most complex mixtures
- completely automatic operation without operator supervision

Convenience

- reduced footprint optimises production space
- low heater specific power reduces maintenance requirements and maintains performance over time
- efficiency and environment sustainability, thanks to the diathermic oil heater and vacuum pump

Reproducibility

- all process parameters can be logged with the optional iST-Remote interface
- automatic routine maintenance notifications reduce downtime



