

Environmental Technology

Process optimisation for solvent salvaging from sludge

Manufacturers of paint removers are now obliged to take back used and contaminated paint remover due to environmental laws and market pressure.

AVA supplies thermal vertical evaporation plants in order to reduce the disposal costs created by this and to salvage the solvents contained in the sludge.

This offers the advantage that the contaminated paint remover sludge is dried to a residual humidity content of <math><0.5\%</math> without prior mechanical liquid / solid separation. The fully automated process control system also enables the separation of various phases. This means that to begin with a mixture of solvent and water is condensed, while at the end of the process pure solvent can be obtained. The ATEX-conforming turnkey supplied plants comprise of the AVA vertical evaporator, the condensation line including a vacuum pump, and the control system.

